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# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

3525  
L. CXLVIII

SEPTEMBER 13, 1947

Annual Subscription (with  
Diary) 30/- Single Copies 1/-.

Introducing

TRADE MARK

## 'SULPHATRIAD'

BRAND

compound sulphonamide tablets

We are pleased to announce that supplies of 'SULPHATRIAD' are now available through the usual channels

'SULPHATRIAD' contains, in each tablet:

sulphathiazole . . . . 0.185 gramme  
sulphadiazine . . . . 0.185 gramme  
sulphamerazine . . . . 0.130 gramme

'SULPHATRIAD' is suggested in the treatment of acute infections due to pneumococci, meningococci,  $\beta$ -haemolytic streptococci, *B.coli*, *H.ducreyi* and in gas gangrene. It may also be used as an adjuvant to penicillin therapy in grave *S.aureus* infections and in the treatment of localised staphylococcal infections such as boils, carbuncles and whitlows.

Since the solubility in the urine of each of the constituents of 'SULPHATRIAD' is not affected by the presence of the other two, the risk of renal complications such as crystalluria during treatment with this combination of sulphonamides is greatly reduced. Such a combination may also have certain advantages from the point of view of therapeutic activity.

Fuller information is available from our Sales Departments (telephone ILFord 3060, extension 68-Trade, and 27-Hospitals)



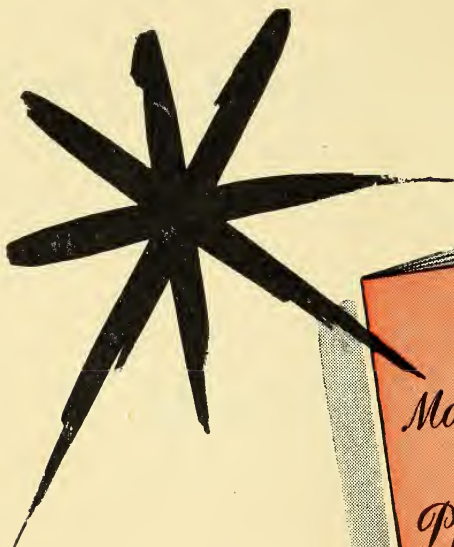
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Containers of	s. d.
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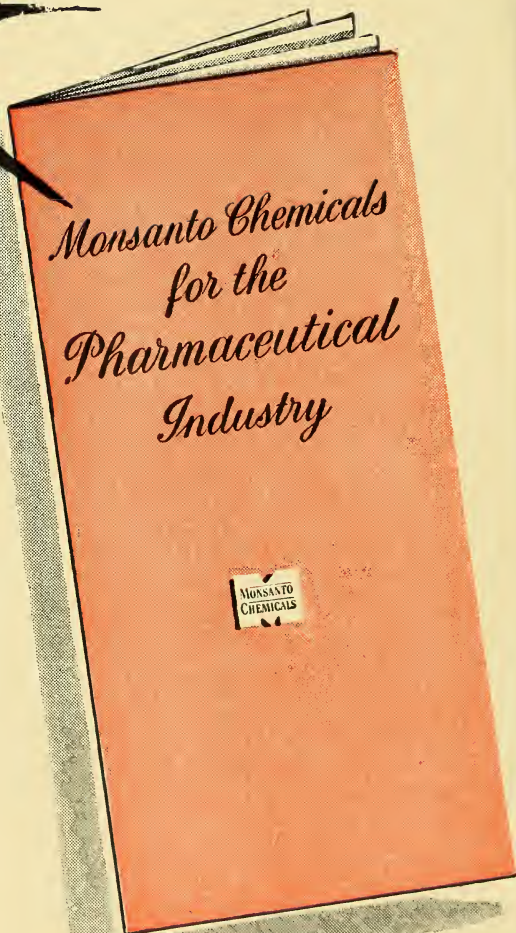
PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM



**D**etailed and valuable information — synonyms, physical forms, grades and containers—on Monsanto's complete range of pharmaceuticals is contained in this folder.

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## When **superficial pain** is the problem . . .

Pain is the common denominator of so many everyday accidents and affections . . . a pointer to the general usefulness of 'Anethaine' Ointment. Minor burns, insect stings and certain skin diseases are among the many conditions in which 'Anethaine' Ointment brings welcome and rapid analgesia. The ointment is particularly effective in relieving the discomfort of haemorrhoids and may be confidently advised for the customer's personal application.

'Anethaine' Ointment contains 1 per cent amethocaine and is non-greasy. Applied direct to the skin or mucous membrane, the ointment takes effect within a few minutes and remains active for at least two hours. 'Anethaine' Ointment is clean and pleasant to use and is easily washed off the skin or clothing.



### ANETHAINE OINTMENT

$\frac{3}{4}$  oz. tubes 3/6 Parcel price one dozen tubes 28/- net

**FINE AND INDUSTRIAL CHEMICALS**  
**PHARMACEUTICAL PRODUCTS**  
**CRUDE DRUGS**  
**PIGMENTS    SOLVENTS**  
**COAL-TAR DERIVATIVES**



**R. W. GREEFF & CO., LTD.**

HEAD OFFICE

**12, FINSBURY CIRCUS, LONDON, E.C.2**  
LONDON WALL 5241      WIRES: GREEFF, AVE, LONDON

and at

**THE ROYAL EXCHANGE, MANCHESTER**  
BLACKFRIARS 9407-8      WIRES: GREEFF, MANCHESTER



TO EASE THE SOAP SHORTAGE

*Recommend*

# PYNOKLEN

## No. 2

THE DETERGENT DOMESTIC CLEANSER

- Deodorant
- Non-poisonous
- Non-corrosive
- Free from resin

Pynoklen can be used for all types of cleansing, including removal of grease from hands, clothes, kitchen utensils and paintwork.

*Bottles of 1 pint 1/3 retail*

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*Made in England by*

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OVERSEAS COMPANIES & BRANCHES: AUSTRALIA, BRAZIL,  
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## IN A CHANGING WORLD

some things remain  
safe and certain!

**Cephos**  
REGD  
THE PHYSICIANS' REMEDY

for  
**HEADACHE**  
and Neuralgia

CEPHOS LTD., BLACKBURN.

**PATA**

*Labels -  
Cartons -  
Envelopes -*

& EVERY DESCRIPTION  
OF MEDICAL PRINTING

**ALF. HARRISON & SONS** <sup>L</sup><sub>TD</sub>

Chemists' Printers

**BURLEY ROAD, LEEDS, 4.**

TELEPHONE - LEEDS 52668-9 TELEGRAMS - 'IDEAS LEEDS'

# Shape of THINGS TO COME

## PILLODINES

—we venture to prophesy—  
have a bright and promising future ahead of them. These tiny silver coated pillules of specially treated iodine have striking prophylactic and therapeutic qualities that tackle the common cold in an extremely efficacious and unusual manner. *When dissolved slowly on the tongue they instantly mobilise and bring into action the body defence mechanism.* We are confident that once introduced to this new form of cold immunisation the public will be swift to recognise its virtues. A series of Chemists' window displays featuring the complete 30-day Pillodine treatment in the new 3/6d. one-at-a-time containers are now available. These will be the fore-runner of a vigorous trade and national press advertising campaign.

**WATFORD CHEMICAL CO. LTD.**

Telephone: WELbeck 0264/8

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(continued overleaf)

## SYMBOL OF BRITISH SCHERING PRODUCTS



This mark distinguishes all products originating in the laboratories of British Schering Limited, where an already impressive range of ethical preparations is being constantly extended by original pharmacological research.

BRITISH SCHERING LIMITED

167-169 Great Portland Street, London, W.1



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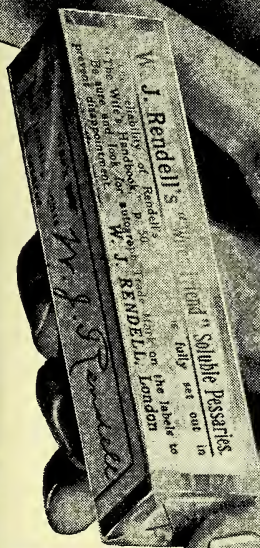
Moorlands and Penetrol are two big sellers, the result of many years consistent advertising and public appreciation. Keep both lines well to the fore in your window and counter displays and get your share of the ever increasing sales.



On the **PATA** Protected List.

W. B. CARTWRIGHT LTD., RAWDON, LEEDS

**RE-WRAPPED  
IN 'CELLOPHANE'  
CELLULOSE  
FILM!**



**PLEASE RETURN YOUR  
UNWRAPPED STOCKS TO RENDELLS**

All unwrapped stocks of Rendell's Pessaries should be immediately exchanged for equal numbers of Cellulose-wrapped goods. All future deliveries of our familiar red box will be dressed in this modern hygienic covering.

**\* Your stocks should be returned promptly, because the Public will now expect to purchase Rendells with the outer transparent wrapping.**

**IMPORTANT.** Postage will be refunded upon all goods returned *direct*. The senders name and address must be written on the outside of all packages and the quantity returned stated.

**W. J. RENDELL LTD**

HARDWICK HOUSE, 161, ROSEBERY AVENUE, E.C.1

## PRODUCTS FOR FEMININE HYGIENE





*for*  
Rheumatic Pains  
**Ki-uma**  
Ointment

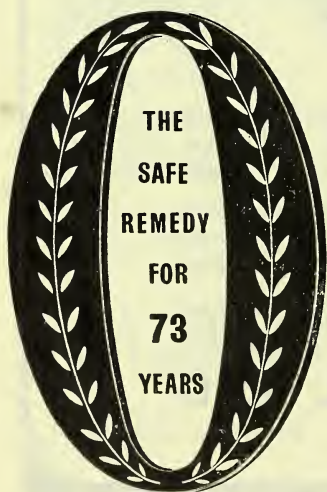
**©**  
PATA

**Ki-uma Ointment**  
for the relief of  
RHEUMATIC CONDITIONS  
STIFF & SWOLLEN JOINTS  
BRUISES, STIFF NECK, Etc.

Pack	Retail in. P. T.	Trade coz	PurTax doz
Tins	3/4½	27/-	4/6
1 lb. Cartons	22/6	180/-	30/-

From your C. F. Wholesale,  
saler, or in case of  
difficulty, from the  
manufacturers

**WESTMINSTER  
LABORATORIES LTD.**  
Chalcot Rd., London, N.W.1  
Telephone 8 PRImrose 3395/6/7



for coughs and colds

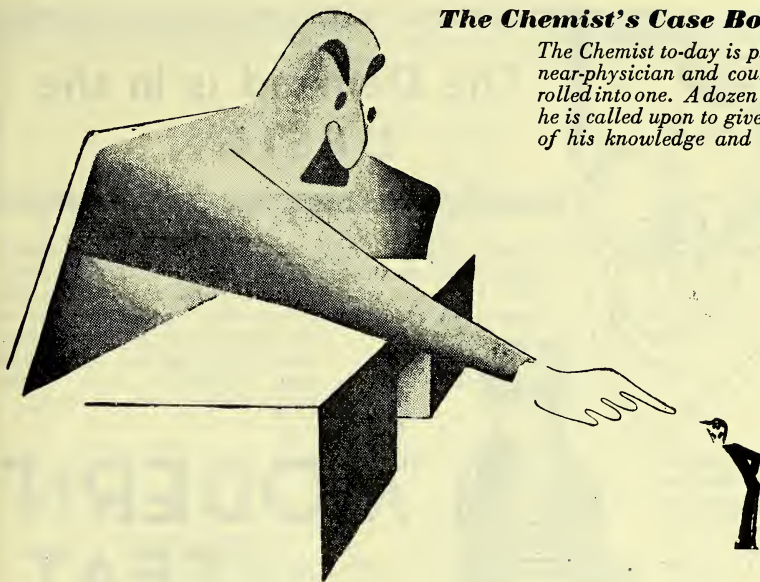
**OWBRIDGE'S**

Again—for the 74th year—Owbridge launch a new, arresting advertising campaign in the National Daily, Sunday, and Provincial Press—in Magazines—on Poster Sites—and Underground Railway Carriages to support the sales of this famous remedy. New window and counter display material is available to tie up with this national campaign.

PRICE **1/3** INCLUDING PURCHASE TAX

### ***The Chemist's Case Book.***

*The Chemist to-day is psychiatrist, near-physician and counsellor, all rolled into one. A dozen times a day he is called upon to give the benefit of his knowledge and experience.*



## ***'Nerves'***

Even where a nervous debility is not directly caused by dyspepsia it reacts on the digestive organs and so aggravates the condition. A course of Benger's Food every night for a month, as every Chemist knows, soothes the stomach because the Food, being partially pre-digested, the digestion is given a chance to rest and recuperate. The calm sleep which Benger's Food induces soothes the nerves. Often the Benger's Food is the only form of nourishment the nervous type can assimilate. Benger's Food can be a steady and continuous sale if the Chemist will remember to recommend it.

## ***Benger's Food***

### ***Important !***

Benger's Food is not to be confused with ordinary bed-time drinks. It is a partially pre-digested milk food. Benger's to-day is as easy to make as a cup of cocoa.





Used and recommended by MATERNITY HOSPITALS, DOCTORS, NURSES and WELFARE CENTRES



## The Demand is in the DESIGN

Extensive National Advertising in the Press and Women's Magazines is creating national demand for the "Modern" Teat. Used and recommended by Nursing and Medical Authorities for its new anti-colic design—nearest to natural feeding. Supply position easier. Stock up now. Obtainable from wholesalers only. Fixed Retail Selling Price 6d. each.

The  
**"MODERN"**  
ANTI-COLIC **TEAT**

**P.A.T.A.**

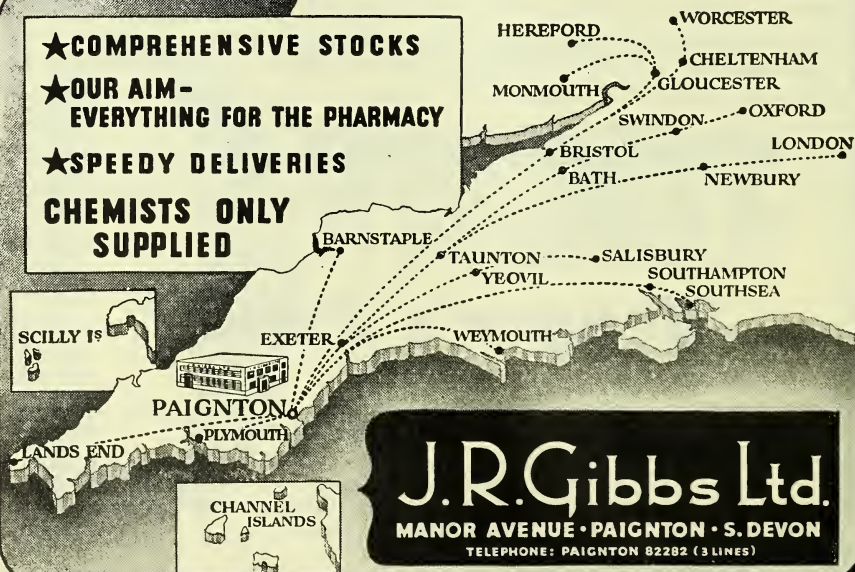
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★ **COMPREHENSIVE STOCKS**

★ **OUR AIM—  
EVERYTHING FOR THE PHARMACY**

★ **SPEEDY DELIVERIES**

**CHEMISTS ONLY  
SUPPLIED**



**J.R.Gibbs Ltd.**

MANOR AVENUE · PAIGTON · S. DEVON

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# THE HOUSE OF MAW

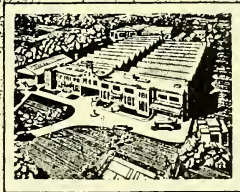


*efficiently*

- CHEMISTS' SUNDRIES
- MEDICAL REQUISITES
- SURGICAL DRESSINGS
- SURGICAL INSTRUMENTS
- SURGICAL APPLIANCES
- PROPRIETARIES
- PHARMACEUTICALS

# MAW

*at your service!*



*The House of Maw*

SUNDRIES • PROPRIETARIES • AGENCY LINES • *Shopfitting*

# Nearly Five times the Profit FOR ONE-SIXTH OF THE TROUBLE

The 24/- size 'Curicones'—the FULL treatment—is the size your customers ask for. This choice is wise both from their point of view and your own.

**YOU ENJOY THESE ADVANTAGES BY STOCKING THE CURICONES 24/- SIZE**

1. You make nearly five times the profit for one sixth of the trouble. (The 24/- size contains six times the quantity of the 5/- size).

2. You sell the equivalent of six bottles of 'Curicones' at one sale—and thus avoid the customer buying only one bottle from you, and the other five bottles elsewhere.

3. Your turnover is quicker. Time is saved.

4. You are cementing goodwill. Obsolete cases of Rheumatic affliction yield to the full course of 'Curicones.'

ORDER A 1/2 DOZ. FROM YOUR WHOLESALE TO-DAY—and satisfy your customers.

## CURICONES



for the relief of **PATA**

**RHEUMATISM and KINDRED ILLS**

Remember 'Curicones' is a P.A.T.A. Line showing 331% profit, nationally advertised and recommended by the medical profession. Showcard sent on request.

Large Size  
**24/-**

**STEPHEN MATTHEWS & COMPANY LIMITED**  
19/21 FARRINGTON STREET, LONDON, E.C.6

### 50 Years' Test—

has proved the value



of



**GET YOUR CUSTOMER TO TRY IT!**

Retail price (including tax) 1/8  
(Wholesale terms 12/- doz. Tax 2/- doz.)  
**LOFTHOUSE & SALTER, LIMITED, HULL**

## GEDEON RICHTER (GB) Ltd.

have to announce that, owing to the higher cost of Vitamin A, the prices of **PARIVITAN** will be increased:

PARIVITAN SYRUP	PARIVITAN TABLETS
6 ozs. 2/9 + tax -/4	30 2/6 + -/3
16 ozs. 4/2 + tax -/7	100 6/6 + -/9
40 ozs. 9/2 + tax 1/3	500 17/6 + 2/4
80 ozs. 16/3 + tax 2/2	1000 32/6 + 4/4

### HALISTERIN CAPSULES

50	7/- tax free
100	13/- tax free
250	22/6 tax free

*Alteration to be effective  
immediately*





PROPRIETARIES  
SUNDRIES DRUGS  
TABLETS & PILLS

FOR  
CHEMISTS

*Manufacturing  
Chemists*

Head Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton and Lyne Telephone 2816 (2 lines)

# THE CHEMISTS' PRINTERS

FOR OVER SIXTY YEARS

THOMAS WAIDE & SONS, LTD.  
KIRKSTALL HILL  
LEEDS



## NEW DISPLAY PACK!

A really attractive display pack for your counter and window. The new Bablets outer in blue-and-white contains twelve Bablets cartons, but occupies only 6 by 4 inches of display space.

## NEW CARTON!

In tune with the display pack, the carton, too, has been modernised, and Bablets are now presented in a small, neat, wallet-type box containing 36 tablets.



## & NEW ADVERTISING

(NOW BEING PREPARED)

TO HELP MAKE

# Bablets

*Gently Laxative*

A FIRST-CLASS SELLING LINE!

Every young mother is a potential 5-year buyer of Bablets — the tiny tablets invaluable for Babyhood's little ills. Ample supplies are now available from usual wholesale sources

G. T. FULFORD CO., LTD. (of Canada),  
Hatch End, Middlesex.

**PATA**

GROUND

## DRIED YEAST

MIDGLEY & PARKINSON, LTD.  
WARREN WORKS, PUDSEY, LEEDS

BLYTON ASTLEY & CO., LTD.

Eagle Laboratories

LOWER BROUGHTON, MANCHESTER

thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased.

# MILLAMALT

Sole Manufacturers

JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept.: 19 Brookside Rd., N.1

## The VITAMIN MALT FOOD

With Vitamins

(A. 6,500 I.U., D. 400 I.U.)  
per fl. oz.

## The House for TABLETS & PILLS

We manufacture a complete range and supply packed or in bulk... Also we make to private formulæ.

PROPRIETARY REMEDIES PREPARED & PACKED

The **COOPER** Laboratory Ltd

## BULK TABLETS

including

N.F. and N.W.F. lines

supplied in convenient quantities from 100 upwards

THE SPECIALIST HOUSE  
**WATFORD**

# 52% Honey and Sugar!

# 100% Efficient!

# 35½% Profit!

(ON BEST DISPLAY TERMS)

Consistent national advertising has made 'Pineate' a household word. Wise mothers know that children love this delicious honey cough syrup and that it definitely eases coughing. They also know that a dose of 'Pineate' at bedtime will relieve all ordinary coughs—even the most persistent—and will greatly assist in promoting sound, peaceful sleep.

Look at your stock of 'Pineate' and see how you stand. Order now—not only for the summer cough season but with a view to the heavy demand in winter, and take advantage of our generous best display terms—Extra 12½% display bonus on all composite orders of £10 and over: 10% display bonus on all orders of £5 and over. Any I.C.C. lines may be included.



**STOCK  
AND  
DISPLAY**

# Pineate

REGD

Trade Terms: 13/9 per doz.

Pur. Tax 2/3½ per doz. Retail at 1/9 (including tax)

Price per doz. on best display terms . . . 12/0½

# HONEY Cough-Syrup

INTERNATIONAL CHEMICAL CO. LTD., CHENIES STREET, LONDON, W.C.1



# BEST SELLER ADVANCES !

THOUSANDS OF PEOPLE asked for a Toothbrush made by Macleans — and now thousands are buying it. This new toothbrush has won a big following in record time. Made with resilient nylon tufts in one standard texture, Macleans Toothbrush is the *right* brush for adults and children both. It is available in four popular colours. Advertised in the national press and in women's magazines, Macleans Toothbrush will bring business your way — especially when displayed along with Macleans Peroxide Toothpaste.

*Profitable display parcel terms to direct buyers are as follows :*

MACLEANS TOOTHBRUSH			
Retail Price (including Purchase Tax)			1/6
Minimum Pack (Dozens)	...	...	3
PRICE PER DOZEN			
Standard Wholesale Price	...	...	10/6
Intermediate Display Terms...	...	...	10/2
Best Display Terms	...	...	9/6
Purchase Tax	...	...	3/6

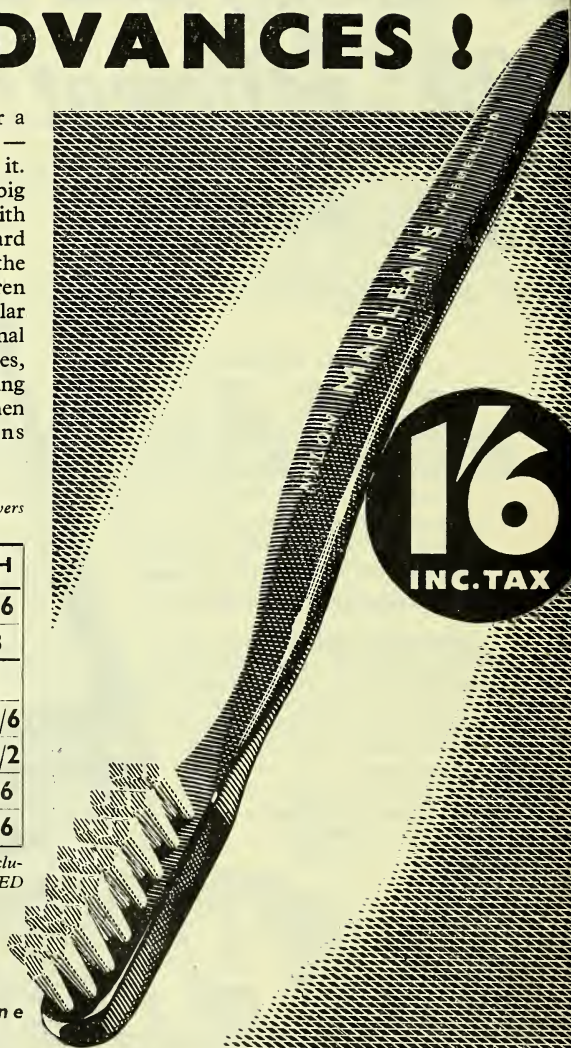
*Orders for Macleans Toothbrushes can be included in TOILET PARCELS or ASSORTED PARCELS to the net value of £10.*

**Rely on MACLEAN**

*for dental hygiene*

## MACLEANS

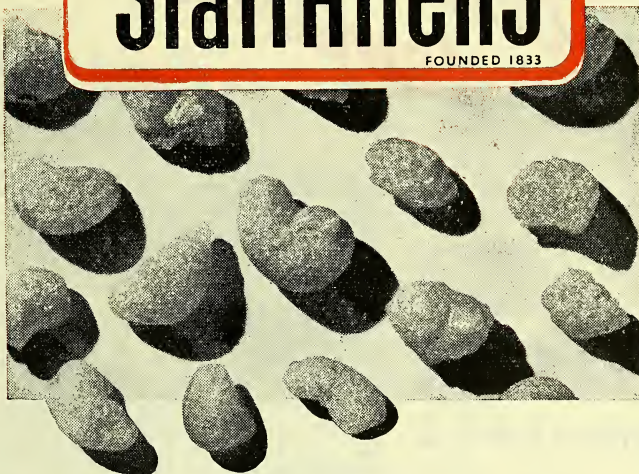
MACLEANS LTD., GT. WEST ROAD,  
BRENTFORD, MIDDLESEX  
Phone: Ealing 6616 Wires: Macleans, Brentfor.



# Toothbrush

# StaffAllenS

FOUNDED 1833



## Ground Gums

**ACACIA • KARAYA  
TRAGACANTH**

Grades for all purposes. We shall be pleased to recommend the most suitable gum for any particular product.

**May we have your enquiries?**



**STAFFORD ALLEN & SONS LTD. Wharf Road, London. N.1. 'Phone (LErkenwell 1000 (7 lines)**



*Constant demand*

# "ABECEDIN" Vitamins A-B-C-D

## TABLETS

Bottles	21	-	3/6
"	105	-	16/6
"	500	-	75/-
"	1,000	-	148/-

## EMULSION

Bottles	4 oz.	-	5/-
"	16 "	-	19/-

FREE from Purchase Tax.



*-prompt delivery*



3 & 4, CLEMENTS INN, LONDON, W.C.2

Telephone: HOLborn 1444

Telegrams "NAPPCHEM, LONDON"

# Sulphonamides



*Sulphaguanidine B.P.*

*Sulphacetamide B.P.*

*Sulphacetamide Soluble B.P.*

*Sulphanilamide B.P.*



6 HENRIETTA PLACE, LONDON, W.1  
Telephone: LANGham 3185    Telegrams: Duochem, Wesdo, London

# K B

## emball, Bishop

ESTABLISHED 1870

TELEPHONE: ADVANCE 1234

TELEGRAMS: 'KEMBALL. LONDON'

CODES A.B.C. & B. BENTLEY'S PRIVATE

& CO. LTD.

MANUFACTURING CHEMISTS

CROWN CHEMICAL WORKS, THREE MILL LANE, BROMLEY-BY-BOW, LONDON, E.J.

**CITRIC ACID. TARTARIC ACID.  
CREAM OF TARTAR. ROCHELLE SALTS.  
CALCIUM GLUCONATE.  
LITHIUM CARBONATE,  
CHLORIDE AND HYDROXIDE.**

QUALITY GUARANTEED

DISPLA

AND LET

BRUSH U

TOOTHBRUSH

EVERY Wisdom  
E to this attractive  
showcard, ready  
tion. In addition  
striking counter  
step up your sales  
selling toothbrush  
share of the goods  
to your wholesaler  
show material, fill  
form below.

WIGHT: THREE COLOUR  
BELOW: SET OF THREE  
TWO COLOUR



THE CORRECT WAY  
HIGH TOOTH

**FREE**

To Admit  
Dept. A 1, Her  
Please send me  
play material  
offered in your  
advertisement.



# DISPLAY YOUR *Wisdom*

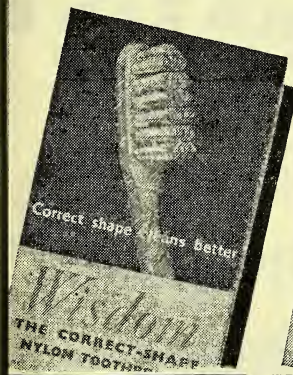
...AND LET THESE COLOURFUL NEW SALES-AIDS

**BRUSH UP YOUR  
TOOTHBRUSH PROFITS!**

EVERY Wisdom stockist is entitled to this attractive new three-colour showcard, ready now for distribution. In addition, a set of three striking counter cards will help you step up your sales of Britain's best-selling toothbrush, get your full share of the generous profits. Apply to your wholesaler for this effective show material, or post the order form below.

RIGHT: THREE-COLOUR SHOWCARD, 11" x 7½"

BELOW: SET OF THREE COUNTER CARDS, TWO COLOURS, 6½" x 4".



**FREE!**

NAME:

ADDRESS:

To ADDIS LIMITED,  
Dept. A 1, Hertford.  
Please send me display material as  
offered in your advertisement.

## NEW BEMAX ALLOCATION SCHEME

It is now possible to bring to an end our Cash with Order Ration Scheme which served its purpose so effectively in the days of very acute shortage.

Our new Allocation Scheme, with normal invoicing, is more satisfactory and still equally fair to all. To ensure their place in it, chemists who have not already done so should return their Bemax Ration Cards at once.

Chemists are requested, until advised, NOT to send in orders for Bemax. Supplies will be allocated in strict rotation. While the quota will remain constant, despatches will, we hope, be more frequent.

### BIG WELCOME FOR BEMAX TABLETS

Bemax tablets help to fill the need for extra vitamin B<sub>1</sub> among people who are unable to obtain all the Bemax they want.

The suggested dose supplies 200 i.u. of vitamin B<sub>1</sub>—approximately the amount provided by the daily dose of Bemax.

Cartons of 60 or 120 Tablets 1/6d. and 2/6d. respectively.  
Discount 33 $\frac{1}{3}$ %. Minimum parcel of 1 doz. 1/6d. and 1 doz. 2/6d. sizes.

*OTHER LINES—Complevite, Pregnavite, Befortiss and the pure Vitamin preparations—in reasonable supply, but some delay on Fertitol.*

**VITAMINS LIMITED, Upper Mall, London, W.6**

## HARRINGTONS Brand ASPIRINS

7 $\frac{1}{2}$  & 5 grain

Packed 10's to 1,000's

HOME AND EXPORT

London Office : 2 BERRIDGE Grn., EDGWARE, LONDON

### SAFOIN HAIR PREPARATIONS

AUBURN HENNA, 2-oz. 24/- doz. Plus 100% P. Tax. Retail Price 5/- each ● Also GLAMOUR RINSES and HAIR DYE ● Prices on Application (Dept. C.D.)

The ARNOLD Hair and Skin INSTITUTE  
189, Northolt Road, Harrow, Middlesex

## SHADEINE FOR GREY HAIR

FIFTY YEARS'  
REPUTATION

All shades. Two sizes only at present. Retail prices 2/6. and 4/10 (including Purchase tax).



**STOCKED BY ALL LEADING  
WHOLESALEERS**

# Tablets and Pills Packed or Bulk

**ASPIRIN**

*Private formulæ Pills and Tablets carefully and accurately prepared at lowest possible prices.*

**CASCARA**

*Latest Automatic Pill Plant.*

and all

WE WELCOME  
ENQUIRIES

**TABLETS and PILLS**

**CASTLE HUSKISSON LTD.**

MANUFACTURING CHEMISTS

SWINTON WORKS, MOON STREET, ISLINGTON

LONDON, N.1

Telephone : Canonbury 3466

ESTABLISHED 1768



*The following message has been issued to the public :*

**You have been warned!**



Babies need Ribena Blackcurrant Syrup, rich in natural vitamin C. But unless empty bottles are returned to the chemist at once, it will be more difficult than ever to keep up regular supplies. This must not happen, for baby's sake. Will you do your share to help?

**Ribena**

**BLACKCURRANT  
SYRUP**

H. W. CARTER & CO. LTD., THE OLD REFINERY, BRISTOL, 2

**PLEASE DON'T ARREST  
THE FLOW OF  
EMPTYIES**

As you get a few together, will you please see that empty Ribena bottles are returned at once by the same route and channel as that by which full supplies were received? Transport difficulties make it unwise to wait until you get a lot.

# Xmas Presentation

## Diana Marsh

### ORDER NOW

Ensure your Xmas deliveries  
by placing your order NOW!  
We will co-operate by reserv-  
ing stock against firm orders.

### SOFT LAMBSWOOL PUFFS

Packed in Acetate Containers  
of Attractive design

915. 4 in. Powder Bowl ... 26/- per doz

916. 4½ in. " " ... 33/6 "

270. 4¼ in. Puff mounted on

Crystal Perspex Handle ... 50/- per doz

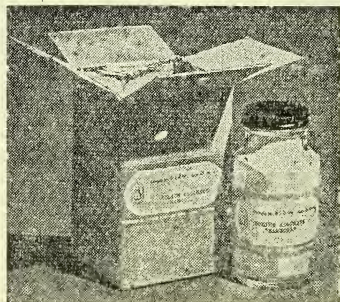
Plus 100% Purchase Tax



W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LIMITED

Established 1660

Hor-eshoe Lane, Enfield, Middlesex Tel: Enfield 4747 (10 lines) Grams: Vinaigrette, Enfield



## Sodium Alginate<sup>\*</sup>

IS BEING SUCCESSFULLY USED AS A

**THICKENING AGENT**

**EMULSION STABILISER**

**GELLING MEDIUM**

in

## PHARMACEUTICALS AND COSMETICS

Toothpaste, oil in water emulsions, hæmostatic dressings and  
industrial barrier creams.

<sup>\*</sup>MANUCOL is the registered trade name of Albright & Wilson's sodium alginate




**ALBRIGHT & WILSON LTD Chemicals**

49 PARK LANE, LONDON, W.1 GROsvenor 1311

WORKS: OLDBURY AND WIDNES





## Precipitated Calcium Carbonate Sturge

In the development of a scientific product correct nomenclature is obviously only a detail. But even the smallest details have their place in the scheme of things.

We have thought it desirable to institute a new method of describing the various grades. A leaflet giving this information is being posted to all present and past buyers. Further copies will gladly be supplied on application.



# JOHN & E. STURGE LTD.

1 WHEELYS ROAD, BIRMINGHAM, 15

*Manufacturers of fine chemicals since 1823*





*Re-arm your customers  
for increased fitness*

More and more of your customers are being told about VOL-VITE—the chocolate-coated multi-vitamin tablets with standardised content of vitamins A, B<sub>1</sub>, C and D<sub>2</sub>. Daily they will be reading in national advertisements now appearing, how VOL-VITE can help to re-arm them to increased fitness in the drive to national recovery. Be prepared for their demands ordering today from your usual wholesaler or direct from the sole distributors.

25 days' supply costs 4/6

36/- doz. in units of 1 doz. tin

**VOL-VITE**

**PATA**

The chocolate-coated multi-vitamin tablets  
Another HOWARD-TAYLOR product

**W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LTD.**  
Horseshoe Lane, Enfield, Mddsx. ENFIELD 4747 (10 lines)

Sole  
distributors:

## JAYNOX BADGER SHAVERS

PACKED IN INDIVIDUAL  
CELLOPHANE SEALED BOXES

No. 805/1	PURE BADGER	33/- each
No. 805/2	"	36/- each
No. 805/3	SUPER	44/- each
No. 805/4	"	48/- each

Subject to 33 1/3% P. Tax

**AN IDEAL "GIFT" LINE**

Samples gladly sent on approval

**JOHN KNOX**

(Stoke-on-Trent) Ltd.  
JAYNOX WORKS,  
KING ST.,  
FENTON  
Stoke-on-Trent.

(Midland Ltd.  
36/38 Dean St.,  
BIRMINGHAM, 5

Dr. Weil's Medical  
Products Ltd.,  
have pleasure in an-  
nouncing that:—

# BRONCHOVYDRIN

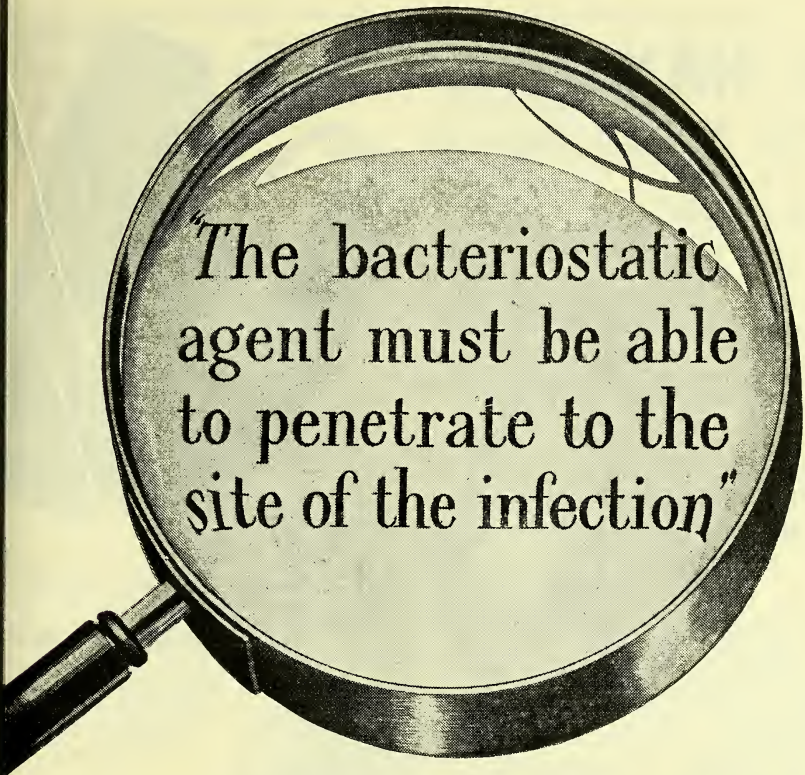
(1945) LTD.

have appointed them  
sole distributors  
for their Asthma  
Inhalant and other  
Products.

Please address all enquiries to:—

**Dr. Weil's Medical Products Ltd.,**  
12 Westwood Road,  
Barnes, S.W.13



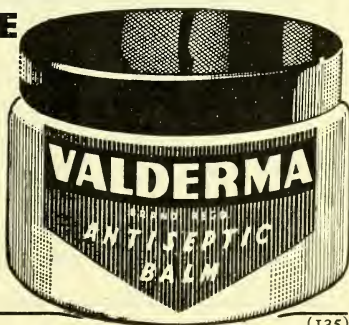


*"The bacteriostatic agent must be able to penetrate to the site of the infection"*

**VALDERMA IS AN OIL-IN-WATER EMULSION AND AS SUCH IS ABLE TO GET RIGHT AT THE GERMS IN THE INFECTED PLACE**

Unlike most ointments of the conventional type, Valderma, being an emulsion, allows exudates to pass freely away without any "sealing" effect. Furthermore, its two antiseptics give an unrivalled bacteriostatic action. Thus, Valderma has a two-fold inhibitory power over common bacteria (*B. Coli.*, *Megatherium*, *Strep. faecalis.*, *Staph. Albus*). Valderma is white, almost invisible on the skin and stains neither linen nor bedclothes.

Consistent advertising appears in the National and Provincial Press, National Periodicals and Women's Magazines.



# The HANDBAG SIZE

## RIMMEL BEAUTY CAKE

*in a smart  
plastic container*

Designed to satisfy the ever-increasing demand for a Rimmel Beauty Cake **4/6** that is handy for use inc. tax always and everywhere.

*In Seven  
Subtle Shades*

- Peach Glow
- Pink Blossom
- Desert Peach
- Pink Orchid
- Cream Rose
- Hawaiian Tan
- Sable Tan



**IF YOU HAVE NOT YET  
RECEIVED YOUR QUOTA  
OF RIMMEL PRODUCTS**

*Please write to :—*

*Rimmel*

Makers of the world famous  
RIMMEL Eye Cosmetique

**RIMMEL DISTRIBUTORS LTD., 43, North Row, Park Lane, London, W.1 (Mayfair 7124)**

**National Advertising  
is creating a demand  
for**

# Nuctone

**SAFE FOR GREY HAIR**

**THE NATURAL AND  
PERMANENT HAIR TINT**  
now available in two sizes and  
four grades attractively packed for  
home use.

*Special introductory parcel sent  
C.O.D. containing 9 small size  
Nuctone assorted. Total Cost 17/8 +  
17/8 Tax — £1-15-4*

**POST AND C.O.D. CHARGES FREE  
SHOWCARD PROVIDED**

*Send your order to*

**STEWART, GOODALL & DUNLOP, LTD.**  
121A PRINCES ST., EDINBURGH  
ON P.A.T.A. LIST

*Verdiers*

# MANICREEM



**HAND PROTECTIVE CREAM**

**IT** takes the Dirt out of work.  
Protects against Dirt, Grime,  
Stains and Chafing. Non-sticky  
—leaves hands clean smooth and  
healthy. No soap or hot water  
necessary.

18s. 9d. per dozen plus 6s. 3d.  
Purchase Tax, to Retail at 2s. 11d.  
per jar.

Now being advertised in the  
NATIONAL and PROVINCIAL  
press.

**VERDIERS LTD.**  
35, OLD BOND ST. LONDON W.1



**SOAP  
SHAVING STICK  
OINTMENT  
TALCUM**



*-for Sensitive  
Skins!*

Do you know why  
*Skin Deep*  
 "does the skin good"?



Skin Deep advertisements in national newspapers and big circulation magazines claim that Skin Deep "does the skin good."

Though plentiful in extreme youth, the natural substances which keep the skin pliable dry up as the years go by. And when elasticity goes, fine lines come. One method of keeping lines and skin folds away would be for a woman never to laugh, cry, frown or screw up her eyes. A more practical way is by keeping the skin soft, pliable and able to resist wrinkling by the faithful use of Skin Deep.

Made to a carefully tested formula based on a new combination of ingredients, Skin Deep helps the skin to make youthful freshness last. As a foundation by day and a skin food by night, it is perfect for skins of all ages. You can recommend it with confidence.

ATKINSONS  
*Skin Deep*  
 BEAUTY CREAM  
 for day and night use





# MANESTY TABLET MAKING MACHINERY



**MANESTY  
F  
TABLET  
MACHINE**

OUTPUT  
90  
PER MIN.

FOR TABLETS UP TO  $\frac{3}{8}$ " DIAM.



**MANESTY  
No 1  
TABLET  
MACHINE**

OUTPUT  
90 PER MIN.

FOR TABLETS  
UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
E  
TABLET  
MACHINE**

OUTPUT  
90-100  
PER MIN.

FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
HAND  
COMPACT  
PRESS**

OUTPUT  
2000  
COMPACTS  
PER DAY

**MANESTY  
COPPER  
COATING  
PAN**

STANDARD  
SIZE  
30" DIAM.



**MANESTY  
B.B.3  
ROTARY  
TABLET  
MACHINE**

OUTPUT  
1000-1500  
PER MIN.

FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
No 2  
TABLET  
MACHINE**

OUTPUT  
55-220  
PER MIN.

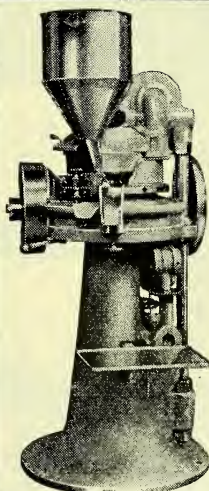
FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
R.S.1  
ROTARY  
TABLET  
MACHINE**

OUTPUT  
168-336  
PER MIN.

FOR TABLETS UP TO  $\frac{3}{8}$ " DIAM.



**MANESTY**

## D3 ROTARY TABLET MACHINE

For round or shaped  
tablets up to 1 in.  
in diameter and  $\frac{3}{8}$  in.  
in thickness.

Output: 300 to 550  
tablets per minute.

Floor Space: 40 in.  
 $\times$  30 $\frac{1}{2}$  in.

Power required:  
1 $\frac{1}{2}$ -2 h.p.

Available with self-  
contained motor  
drive, vari-speed  
drive, or for pulley  
drive. All adjust-  
ments can be made  
while the machine is  
running.

Punches and dies easily changed.  
The machine is fully guarded.

Full Particulars on request.

**MANESTY  
B3  
ROTARY  
TABLET  
MACHINE**

OUTPUT  
400-500  
PER MIN.

FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
D3  
ROTARY  
TABLET  
MACHINE**

OUTPUT  
300-350  
PER MIN.

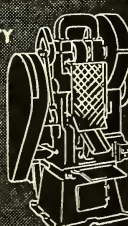
FOR TABLETS UP TO 1" DIAM.



**MANESTY  
No 3  
TABLET  
MACHINE**

OUTPUT  
30-400  
PER MIN.

FOR TABLETS UP TO 2 $\frac{1}{4}$ " DIAM.

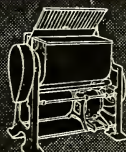


**MANESTY  
OSCILLATING  
GRANULATOR**

OUTPUT  
150-224  
LBS.  
PER HOUR

**MANESTY  
MIXER**

CAPACITY  
100 LBS.  
OF POWDER



# MANESTY MACHINES LIMITED

5 SPEKE HALL ROAD, LIVERPOOL, 19

TELEPHONE: HUNTS CROSS 1321

TELEGRAMS: MANESTY, LIVERPOOL

**SOMETHING NEW!**

## TALC BY GOYA

The popularity of a Talcum Powder depends upon its fragrance.

Here at last is a superfine Talc perfumed with Goya's perfect perfumes—five fragrances, known and used by women throughout the world.

No. 5

STUDIO

HEATHER

GARDENIA

GREAT EXPECTATIONS

Attractively packed in  
pink and blue tins.

Retail price, including Purchase Tax,  
3/9d.

Trade Price 18/- per dozen.

PERFUME · LIPSTICK · POWDERS



361 · NEW BOND ST · LONDON · W. 1

## Just Released for the Home Market

Finest quality Talcum Toilet Powder in attractive coloured printed sprinkler top tins.



In 3 perfumes,  
Eau de Cologne, Fougere and Rose Geranium  
Per Dozen 16/8d. plus 16/8d. Purchase Tax,  
retail 3 6d. each, including Tax.

**R. DEMUTH LTD.**  
FARNHAM, SURREY... Farnham 5194

**SUPPLIES AVAILABLE**



Two really excellent  
preparations which are  
already in great demand.  
Ensure your supply now!

**MADELOX**  
*Limited*

**LATHER**  
*Shaving*  
**CREAM**  
& *Shaving*  
**BLOCKS**

168 · CORPORATION ST. MANCHESTER 4





# POTTER'S ASTHMA REMEDY



Price 2/2 per Tin (inc. tax)

Wholesale 18/- per Doz., plus 3/- per Doz. Tax

Packed in half dozens

Well advertised and world famous

A sound selling line for every Chemist

## POTTER & CLARKE L<sup>TD</sup>

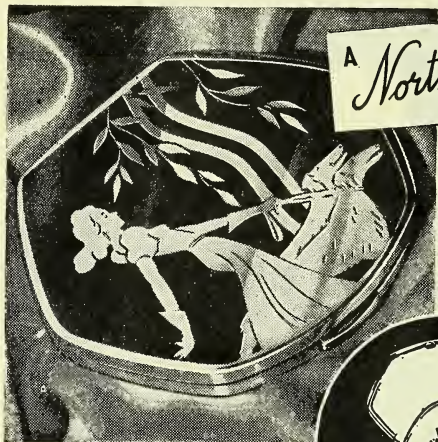
60-64 Artillery Lane, LONDON, E.I.

Telephone: BISHopsgate 4761

and

77 Dantzic Street, MANCHESTER 4.

Telephone: BLAckfriars 8734



A Northfield  
PRODUCT

THE *Diana*

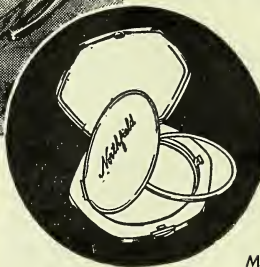
**METAL COMPACT**  
(Gilding Metal Case)

- ★ GILT DESIGN
- ★ UNCHIPPABLE BLACK BACKGROUND
- ★ INNER LID AND SIFTER
- ★ BOXED SINGLY, EACH IN POUCHETTE

Just one of our many quality quick sellers which will enhance your reputation

Supplied to bona fide Wholesalers and Export Trade only.

(Retail enquiries will be passed to stockists)



Provincial Representative: -

HAROLD E. COULSTING, LTD  
Dept. C.D. 39 High St., Manchester, 4.  
Telephone: DEAnsgate 2774 (2 lines)

London Representative: -

CONRAD M. EASMAN  
Dept. C.D. 145/7 Northfield Avenue,  
West Ealing, London, W.13  
Telephone: Ealing 1426 - 5724

Manufactured by:  
SALTMAN ENGINEERING Co. Ltd. London.

Other lines manufactured include:

- Plated Egg Sets
- Cigarette Cases (slide action)
- Tableware and other compacts

New *inexpensive*

# Floral COMPOUNDS

Ideal for POPULARLY PRICED  
Perfumes and Toilet Waters for  
the **XMAS TRADE**

Ask for special quantity quotations and samples

**PIGALLE**

(International) Ltd.

Phone: WILLESDEN 2727

1-2 AVENUE CLOSE, POPLARS AVE., LONDON N.W.2

Peter Brent  
& Co. Ltd.

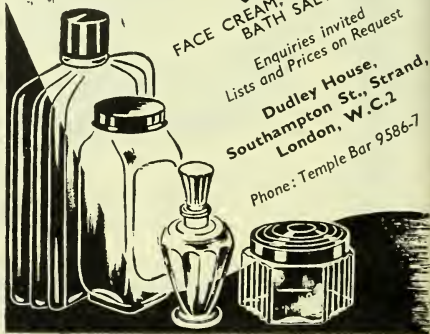
**BOTTLES** for  
PERFUME, MEDICAL PRODUCTS,  
TOILET PREPARATIONS

**JARS** for  
FACE CREAM, HAIR CREAM,  
BATH SALTS

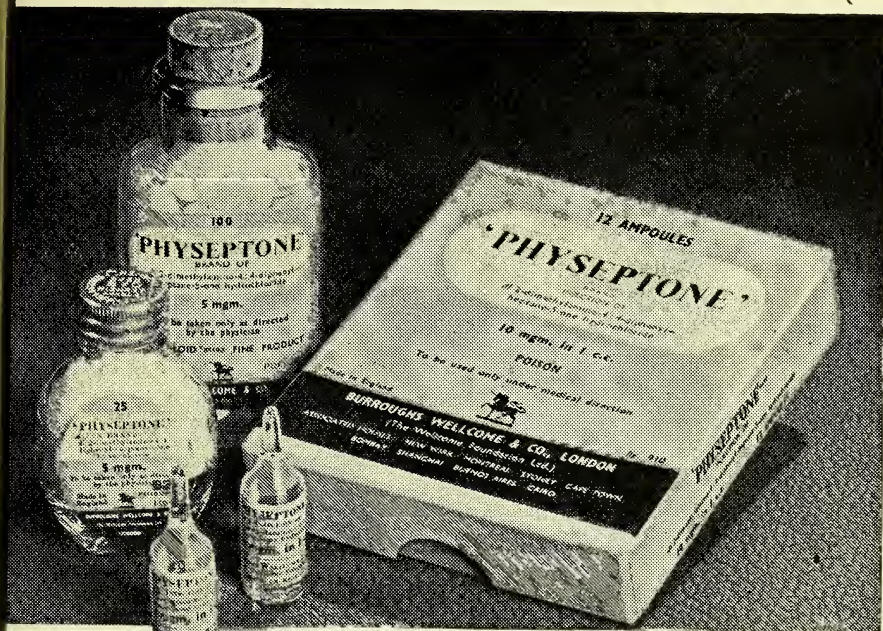
Enquiries invited  
Lists and Prices on Request

Dudley House,  
Southampton St., Strand,  
London, W.C.2

Phone: Temple Bar 9586-7







## THE NEW ANALGESIC

'Physeptone' is being advertised in every leading Medical Journal... is being detailed to every prescriber in the United Kingdom... 'Physeptone' will be prescribed in your district. Make sure that you have stocks to meet prescription demands. 'Physeptone' is the new synthetic pain-relieving substance, more effective than morphine, yet free from its disadvantages. Literature available on request.

★ **IMPORTANT NOTE** 'Physeptone' was originally announced under the name 'Miadone'.

### 'TABLOID' BRAND COMPRESSED PRODUCTS

5 mgm :

Bottles of 25.....4/6  
(plus 7d. Purchase Tax)

Bottles of 100.....16/10  
(plus 2/1½ Purchase Tax)

### INJECTION

10mgm. in 1c.c. Boxes of  
12 ampoules .....9/0  
(plus 1/1½ Purchase Tax)

List prices, subject to trade discount.

## ★ 'PHYSEPTONE' BRAND

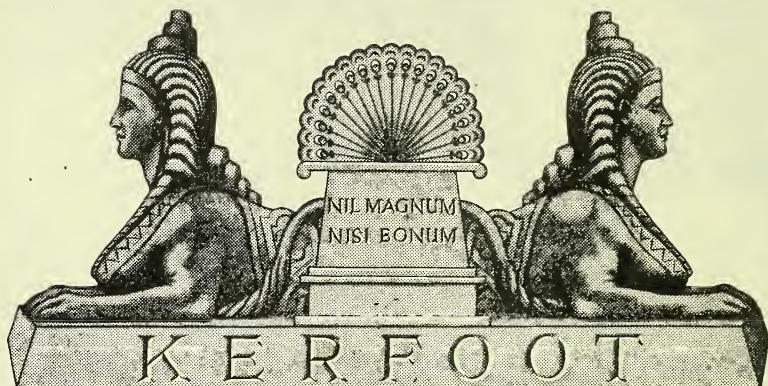
dl-2-DIMETHYLAMINO - 4 : 4 - DIPHENYLHEPTANE - 5 - ONE HYDROCHLORIDE

available now



**BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON**

# For B.P. and B.P.C. TABLETS



THOMAS KERFOOT & CO. LTD., VALE of BARDSLEY, LANCASHIRE

K33

NOW IS THE TIME TO PLACE YOUR ORDER

## VALDA PASTILLES

PACKED IN ENGLAND

**NOW IN BETTER SUPPLY**

OBTAINED DIRECT OR THROUGH YOUR WHOLESALE

---

ALL ENQUIRIES DEALT WITH IN STRICT  
ROTATION, BUT EVERYTHING POSSIBLE WILL  
BE DONE TO ENSURE SPEEDY DESPATCH

---

## WILCOX, JOZEAU & CO. LTD.

14/7 WHITE LION STREET, LONDON, N.1

19 TEMPLE BAR, DUBLIN





# The CHEMIST AND DRUGGIST

For RETAILER—WHOLESALE—MANUFACTURER

Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "CHEMICUS, ESTRAND LONDON."

Telephone: CENTRAL 6565 (10 lines)

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## NEWS OF THE WEEK

**Withdrawal of D.D. Authorities.**—The Home Secretary has withdrawn from Malcolm Andrew Graham-Yooll, M.B., B.S., Heatherlie, East Trinity Road, Edinburgh, 5, the authorities granted to him under the Dangerous Drugs Act regulations.

**Chemists' Sales in July.**—Retail sales of chemists' wares were 9.9 per cent. higher in July than in the corresponding period in 1946. Stocks held by retailers at the end of July were 44.3 per cent. higher than a year ago. In the six months February-July, sales of chemists' wares compared with the similar period in 1946 were 16.4 per cent. higher in the London postal area and 12 per cent. higher in the rest of Great Britain.

**Soap Rationing.**—Coupons available during rationing period 3, which begins on September 14, are the two upright pairs of small squares K 9/10 and K 11/12 in the large square number 3. In ration books R.B.1 and R.B.4, the coupon numbered 1/10 is worth one ration of soap and the coupon numbered 11/12 two rations of soap. The two whole coupons in ration

book R.B.2 are each worth two rations of soap during the rationing period.

**Atomic Energy Train Exhibition.**—A travelling train exhibition designed to explain to the public the basic facts of atomic energy, and its destructive and constructive applications, is to commence a tour of twenty-six towns in England, Scotland, and Wales at the beginning of November. The exhibits will include a model of a cyclotron, and a working model indicating the method of separation of isotopes. The principles of detecting radiation with a Geiger-Müller counter, and of using a cloud-chamber detector, will also be illustrated. Negotiations are in progress to exhibit a film dealing with the medical and biological aspects of the subject. The Atomic Scientists' Association, which is planning the exhibition with the help of the Ministry of Supply, hopes to organise in each town visited an atomic week at the same time, in collaboration with local professional organisations.

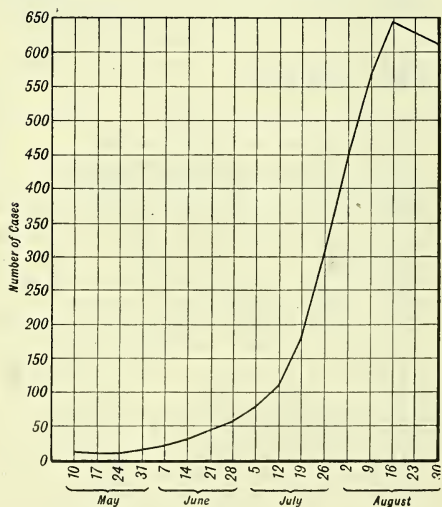
**Export of Silver Compounds.**—The scope of export licensing control on silver compounds and articles containing silver

has been extended by the Export of Goods (Control) (Amendment) (No. 5) Order, 1947 (S.R. & O., 1947, No. 1911) which came into force on September 4.

**Not a Development Area.**—The Parliamentary Secretary to the Board of Trade has announced that Merseyside is not to be declared a development area but that the City of Liverpool, which already has special powers under a local Act of Parliament, is to be left free to carry out its own schemes.

**Animal Physiology.**—The Agricultural Research Council, with the support of the Ministry of Agriculture and Fisheries and the Department of Agriculture for Scotland, has decided to set up a new Institute of Animal Physiology under the direction of Professor I. de Burgh Daly, F.R.S. (professor of physiology, Edinburgh University).

**Poliomyelitis Figures.**—The number of cases of poliomyelitis notified in England and Wales during week ended August 30 was 612, against 626 during the previous week and 646 in the week ended August



16. The graph shows the weekly notifications of poliomyelitis in England and Wales from week ended May 10 to week ended August 30.

**Penicillin on N.H.I. Scripts.**—The Ministry of Health has issued to Pricing Bureaux details of a new method of pricing

prescriptions for penicillin eye-drops and aqueous injections of penicillin to be used when the third edition of the National (War) Formulary comes into operation on October 1. The new edition requires penicillin eye-drops to be made from solution tablets of penicillin, and injection of penicillin to be made from the sodium or calcium salt, but the October Drug Tariff will continue to require that penicillin should be used in the form which secures the least waste. Payment for solution tablets will be made for the number of units prescribed and for any remainder of one tablet if prescriptions are endorsed to show the number and strength of tablets used. Payment will be made for penicillin powder which cannot be used on the same day if the prescription is endorsed to show the number of units of penicillin (white or yellow) rejected. For making penicillin spray, says the Ministry, solution tablets will usually be required as calcium penicillin powder is not available in packs of less than one mega unit.

**Increasing Isotopes Supplies.**—Increasing supplies of radioactive isotopes are to be available for medical purposes from Canada and the United States. Supplies of selected isotopes produced by the Canadian atomic plants are to be made available immediately while the production of the isotopes is to be expanded and the number produced increased. A United States ban on the export of radioactive isotopes has been lifted, and shipments to some thirty countries which have applied for supplies will be made as soon as the necessary formalities have been complied with. Dr. P. C. Aebersold (chief of the Atomic Energy Commission's isotope branch, at Oak Ridge, Tennessee), addressing the Fourth International Cancer Research Congress at St. Louis recently, said that the formalities include agreements by foreign Governments to make progress reports to the Atomic Commission every six months and to permit qualified scientists irrespective of nationality, to visit institutions where isotopes are to be used, and to obtain information about the purpose, methods, and results of their use, in accordance with established scientific tradition. The United States could produce radioactive isotopes, he said, in quantities great enough to satisfy the reasonable needs of the world. Isotopes can now be sold to scientists abroad at prices ranging from \$1.50 to \$50 a unit and delivery can be made by air to any place in the world within a few days. Some of these units would have cost \$1,000,000 each before the war.



## LOCAL NEWS

**Hounslow Branch Inaugurated.**—A meeting held on September 4 to inaugurate the Hounslow Branch of the Pharmaceutical Society was attended by nearly fifty members. The following officers were elected: *President*, Mr. W. M. Bowden; *Vice-president*, Mr. G. M. Thwaites; *Treasurer*, Mr. F. Stronach; *Secretary*, Mr. V. M. Bond, 3 Ravensdale Gardens, Hounslow.

**Shopbreaking.**—In a smash-and-grab raid at the pharmacy of Mr. W. H. Lomax, I.P.S., Derby Buildings, Wavertree Road, Liverpool, late on August 25, the plate-glass window was shattered and contents, including perfume and face powder, valued at only about 30s., stolen. Damage to the window is understood to amount to about £30.

**Opening for Pharmacist.**—The Isle of Skye, in the Inner Hebrides, with a population of 10,000, is at present without a pharmacy. The last chemist's shop on the island was bought by the Scottish Co-operative Wholesale Society, Ltd., in June, 1946, and, in order, it is understood, to become a drapery store. Prescriptions have to be sent to the mainland to be dispensed, which means a long wait. The Secretary of State for Scotland (Mr. J. Westwood) promised the Skye district council on August 6 that he would look into the matter.

**Golden Jubilee Outing.**—To celebrate the golden jubilee of the company, the directors and staff of Bengué & Co., Ltd., took part in a motor coach outing to Brighton on September 2. Proposing a visit to the company and to Mr. F. J. Bengué (chairman), Mr. W. E. Page (managing director) traced the history of the company since its foundation in 1897 by the late Dr. Jules Bengué. Mr. F. J. Bengué had been in control since 1905 and had been largely responsible for the company's success. Thanking the staff for their loyal co-operation during the difficulties of the war and the post-war period, Mr. Page said that five members of the staff had given an average service of over twenty-seven years. Mr. F. J. Bengué, in reply, said kindly that he had come to England in 1905 for a year in order to learn the language. Forty-two years later he was still trying to master its intricacies. After viewing the company's development, he thanked the staff for the part they had played, and added a special tribute to the long-service members.

## IRISH NEWS

**Statement by N.I. Premier.**—The Prime Minister of Northern Ireland (Sir Basil Brooke) has issued a pronouncement on the economic situation, declaring that "the whole economic future of Northern Ireland is at stake in the present economic crisis." He calls for unity of effort throughout the territory.

**N.I. Health Bill.**—The position of chemists in relation to the [Northern Ireland] Health Services Bill (see *C. & D.*, September 6, p. 287), was discussed at a meeting of the Pharmaceutical Negotiating Committee held in Belfast on September 4. Mr. R. Gibson (president, Ulster Chemists' Association) in the chair. It was decided to seek the views of local associations and to hold a further meeting later. The Committee is to take steps to ensure that the chemists' point of view will be put forward during the debate on the second reading of the Bill which is expected to take place shortly after the Northern Ireland House of Commons reassembles on September 23.

**Eire Pharmaceutical Students.**—Mr. N. Scroope presided at the monthly meeting of the Pharmaceutical Students' Representative Council held recently at 67 Lower Mount Street, Dublin, when congratulations were tendered to Miss M. O'Sullivan (vice-chairman), Miss N. Kennedy (gold medalist), and Mr. G. O'Connor (former correspondence secretary), on their successes in the July Licence examination. Mr. Arthur Allshire represented the Council at a special meeting of the Irish Students' Association Council to elect delegates to the International Congress of Students to be held at Prague, Czechoslovakia. The Council regretted that the subsidiary bodies in Cork, Limerick and Galway had fallen into abeyance despite several efforts during the year to revive them. Another effort is to be made before the annual meeting of the Pharmaceutical Students' Representative Council in October.

**Dublin Chemists' Outing.**—The most successful outing yet organised by the Pharmaceutical Chemists' and Students' Social Committee was held recently, when almost a hundred students and licentiates cycled to Springfield House, Lucan, co. Dublin. In the afternoon and evening the excursionists took part with enthusiasm in relay and novelty races, a 100-yd. sprint and other events. Prizes of cigarettes, choco-

lates, and complimentary dance tickets were presented to the winners of the various competitions during tea, which was followed by a novelty football match in which some of the ladies took part with the men, and acquitted themselves well. Dancing followed. Mr. Seamus Fox (chairman of the Social Committee) pointed out that the committee aimed to acquire premises in Dublin that could be used by students as a meeting-place and club, and in which rooms could be set aside for the use of students reading for examinations. He expressed satisfaction at the growing finances in the hands of the committee, and felt that the realisation of their hopes was not far distant. The outing was organised by Mr. Liam Byrne as master of ceremonies, assisted by Messrs. W. Gardiner and M. Walshe, and the Misses P. Fallon and F. Quinn.

**Ulster Chemists' Association.**—Mr. R. Gibson (president) was in the chair at a meeting of the Executive Committee of the Ulster Chemists' Association in Belfast on September 2 at which the following were present: Messrs. J. C. Acheson (vice-president), J. Caldwell and H. P. Crossin, Miss C. E. Culbert, and Messrs. T. A. Gibson, J. N. Hogg, James McDowell, J. McGregor, W. R. McNabb, E. A. Poots, E. A. Richey, A. Steede and Walter C. Tate. Miss E. A. Strachan (secretary) was also in attendance. Apologies for absence were received from Messrs. W. J. Rankin (treasurer), R. C. Jeffers, R. Hall, R. A. McEwen and P. R. W. Shinner. The president announced that of the eight members of the Committee due to retire at the annual meeting, five had offered themselves for re-election. He expressed particular regret at the retirement for reasons of health of Messrs. C. Abernethy and R. McMullan. Mr. Abernethy had been one of the oldest members of the Committee and his influence and work for the Association was highly appreciated. A letter was received from the Chemists' Federation requesting all members of the Association to sign the C.F. retailers' agreement. The secretary reported that a copy of the agreement was being sent to each member and he hoped they would be signed and returned promptly. The following were elected to membership: Mr. Robert A. Foye, Ph.C., successor to Mr. D. Gibson, 297 Springfield Road, Belfast; Mr. J. A. McNeill, Ph.C., 454 Shore Road, Belfast, and Mr. A. Mawhinney, Ph.C., successor to Mr. William Powell, Millisle.

## OVERSEAS NEWS

**Spanish Essential Oils Production.**—A new chemical factory, capable of producing up to fifty tons of essential oils a year, is to be built by the Union Quimica Aeronautica, Barcelona.

**U.S. Science Research Plan.**—A report published by the President of the United States' Scientific Research Board on August 27 suggests the creation of a national science foundation with a ten-year programme of scientific research and development. The foundation should be authorised, says the report, to spend \$50 millions on basic research during its first year, with amounts increasing to \$250 millions annually by 1957.

**German Chemical Industry.**—Under the direction of a committee appointed by the zone commanders in Germany, the part of I.G. Farbenindustrie which remain after destruction of those used exclusively for war-making purposes and the removal of others for reparations, are being split into units each capable of separate economic operation. Cartel arrangements are prohibited and research and production kept under strict control. Until the ultimate ownership has been decided, plants are trading under the title, "I.G. Farbenindustrie in Dissolution."

**Professional Standards in Canada.**—Announcing that \$25,000 was being set aside in 1947-48 to promote high standards of education for pharmacists in order to ensure a high level of service to the public by the profession throughout Canada, Mr. William Harrison, retiring president of the Canadian Foundation for the Advancement of Pharmacy, who is chairman of the board of Ayerst, McKenna and Harrison, Ltd., manufacturing chemists, said that the foundation had spent \$6,000 during the previous year, but now had a larger membership and more funds. During the year a number of grants had been made to universities and colleges of pharmacy and to students in both undergraduate and post-graduate fields, and the basis had been laid for promoting pharmacy as a desirable calling to promising high school students in their final year. The effect of the policy would not be felt for some time, but it represented the first constructive, organised effort on the part of Canadian pharmacy to promote the attractiveness of the profession to well selected, promising young people.



## TOPICAL REFLECTIONS

### The Outlook for Science

The annual meeting of the British Association for the Advancement of Science (p. 281), the first held since 1939, has provided an opportunity for stocktaking in several departments of scientific activity. In this paragraph I must confine myself to one topic, Sir Henry Dale's presidential address. Sir Henry brought out clearly, by examples, the indebtedness of current science to the stress of the recent world war, a stress resulting in the speeding up of research that otherwise might have remained dormant for a long time. But he went on to point out a danger in "the tendency to transfer too easily and completely to the activities of peace the attitude to research acquired during recent experience." His fear, he said, was that scientists might find it difficult to shake off the habit of "trading for quick returns, which six years of war experience may so easily have fostered." Associated with this danger, he added, is the crippling effect of unnecessary secrecy. Thus the policy he proclaimed on behalf of men of science is freedom to investigate, untrammelled by a demand for commercial gain on the one hand or for totalitarian secrecy on the other. This authoritative statement by a past-president of the Royal Society is timely. Newton is remembered, nationally and internationally, as the author of the "Principia," not as the Master of the Mint. The work of Faraday, of Clerk Maxwell and of Joseph Thomson is of the same fundamental order. For such men to come to maturity they must be free from extraneous pressure. On their foundations others build.

### A Multitude of Cosmetics

For the past thirty years or so retail chemists have been complaining about the number of popular cosmetics. In 1924 you reported an association meeting at which a well-known pharmacist, afterwards president of the Pharmaceutical Society, expounded this trouble in appropriate terms. What can be done about it? Let it be said at once that whatever regulations the Board of Trade may make, the feminine cult of beauty will find a way to be satisfied; if this cult clashes with regulations, so much the worse for them. As you point out (p. 289), such a title as National Tan or Crisis Pink is not likely to have much sales value. I have known a popular make of face powder refused because it was, as

the customer put it, "too fine." In this and other points of detail the cosmetic trade may gather hints from the paper presented by Monsieur H. M. Gattefossé briefly abstracted on p. 291. That paper points to a development retarded, though not for long, by the recent war. In applying biochemistry and physico-chemistry to the manufacture of cosmetics, new selling points will suggest themselves. It will be of interest to see how they can be expressed in terms intelligible to the average purchaser. Here, as sometimes in earlier periods, France will perhaps launch a vogue.

### James's Medicinal Dictionary

For the first time in any English journal, as far as I know, we have had a general survey (pp. 253, 282) of the Medicinal Dictionary of Robert James. As your contributor remarks, this work forms a background to the London and Edinburgh Pharmacopœias in use in 1743-45, and serves to explain why the compilers of those books were so reluctant to discard traditional medicaments that had already become absurd. It must also be remembered that in the eighteenth century the intellectual gap between the average medical practitioner and the educated reader was so small as to be almost negligible. And there is on record the statement of Richard Watson that when, in 1764, he was appointed Professor of Chemistry in the University of Cambridge, he "had never read a syllable on the subject nor seen a single experiment": yet his five volumes of "Chemical Essays" ran into several editions. The differences in style between James, Johnson and Schwanberg are marked. James wrote with a blunt assurance. Johnson, even in 1743, was developing the sonorous phraseology jocularly known as Johnsonese. Schwanberg was laborious and sometimes tedious. To him may be attributed the long-winded anecdote with which p. 283 ends: and there is more of it in the Dictionary. One subject, the treatment of poisoning in the mid-eighteenth century, may be worth a mention, though that treatment was somewhat crude. Thus, under "Opium" James advised copious bleeding as the first step in a case of overdose, wisely adding, "if the Patient's Strength can bear it." If coma was severe, scarifications were to be made, followed by sprinkling with salt and vinegar.

**Xrayser**

## COMPANY NEWS

**PAGALDA, LTD. (P.C.).**—Capital £1,000. To carry on the business of chemists, druggists, etc. Gerald A. L. Brown, Elsie A. M. Brown and Patricia E. Thomas, directors. R.O.: 28 Mayfield Road, Sutton.

**H. V. COLLE, LTD. (P.C.).**—Capital £7,000. To carry on the business of chemists, etc. Albert E. Rogers, M.P.S., and Mrs. Emily E. E. Rogers, directors. R.O.: 212 Preston Road, Wembley.

**JAMES B. FLEMING & Co. (LIVERPOOL), LTD. (P.C.).**—Capital £100. To acquire the business of a manufacturing chemist now carried on by James B. Fleming & Co. at 21 Hanover Street, Liverpool. James B. Fleming and Dorothy Fleming, directors.

**PICOT (SALES), LTD. (P.C.).**—Capital £100. To carry on the business of dealers in essences, lotions, oils, soaps, cosmetics, perfumes, etc. W. P. Hibbert, Marjorie L. Hibbert and W. J. Watson, directors. R.O.: Aldwych House, London, W.C.2.

**MORAY CHEMICAL PRODUCTS, LTD. (P.C.).**—Capital £20,000. To carry on the business of soap manufacturers, pharmaceutical, manufacturing and general chemists and druggists, etc. First directors are not named. Solicitors: Billingham, Wood & Pope, 7 Bucklersbury, London, E.C.4.

**CLAYTONS (CUMBERLAND), LTD. (P.C.).**—Capital £2,000. To acquire the business of a chemist and druggist carried on at Whitehaven and Harrington by Francis A. Clayton. Francis A. Clayton, M.P.S., Edmund H. Clayton, M.P.S., and Tom Christie, M.P.S., directors. R.O.: 37 King Street, Whitehaven.

**M. FAITELSON, LTD. (P.C.).**—Capital £600. To carry on the business of manufacturers of and dealers in powders, dyes, soaps, etc., chemists and druggists, etc. Sarah Faitelson, Israel R. Faitelson, and Matthias Faitelson, directors. R.O.: 10 Gravel Lane, Middlesex Street, London, E.C.

**JOHN MARTIN (STAFFS), LTD. (P.C.).**—Capital £7,500. To acquire the business of a chemist and photographic dealer, etc., now carried on by Edgar J. Martin at 66 Derby Street, Leek; and at 19 and 23 Pall Mall, Hanley, as "John Martin." Edgar J. Martin and Mrs. Beatrice M. Martin, directors.

**INTERNATIONAL SPONGE IMPORTERS, LTD.**—It is proposed to increase the capital of the company to £425,000 by the creation of new ordinary shares to be issued at the discretion of the board.

**A. BOAKE, ROBERTS & Co., LTD.**—Net profit for the year ended March 31 amounted to £93,779 against £56,482 in the previous year. Preference dividend absorbs £2,750. Final dividend on ordinary shares is  $3\frac{1}{2}$  per cent., making  $12\frac{1}{2}$  per cent. for the year, compared with 11 per cent. in 1945-46.

**GLAXO LABORATORIES, LTD.**—Sir Robert Howell Hutchings, K.C.I.E., C.M.G., and Mr. Herbert William Palmer, B.Com. (Lond.), have been appointed directors of the company, and Miss Ida Townsend an executive director. Mr. Palmer joined the company in 1928, became a director in 1940, and was made an executive director of the public company at the reorganisation in 1947. Miss Townsend joined the company in 1919 and has been export manager for some years.

## BUSINESS CHANGES

**BLACKPOOL CO-OPERATIVE SOCIETY, LTD.,** have acquired the pharmacy at 388 Vicarage Road Blackpool, formerly carried on by Mr. John Appleton.

**MR. J. ALLEN** has resumed his activities as representative of Thomas Marns, Ltd., 2 Caxton Street, London, S.W.1 in the six northern counties of England, and not as previously stated.

**MR. ROBERT A. FOYE M.P.S.N.I.,** has acquired the business at 297 Springfield Road, Belfast, formerly carried on by Mr. David Gibson, M.P.S.N.I., who recently left Northern Ireland for South Africa.

**MR. R. T. HINDHAUGH M.P.S.,** has acquired and converted into a pharmacy a business at 86 Princess Road, Seaham, co. Durham, which was formerly carried on as a drug store.

**PARKE, DAVIS & Co.,** Beak Street, London, W.1, announce the appointment of

**Mr. W. R. Jeeves** as Detroit foreign sales manager for territories which include London, Sydney, Bombay, Buenos Aires, Havana, Rio de Janeiro and Mexico City. A native of Cambridge, Mr. Jeeves served in the British Army during the 1914-18 war and in 1922 qualified as a pharmacist after studying at the South of England College of Pharmacy. From 1925-27 he gave instruction in pharmacy to medical students attending Cambridge University. In 1927 he joined Parke, Davis & Co.'s London Branch, and eventually was transferred to the Philippines as medical representative, with headquarters in Manila. He left the Philippines in 1941 and was called to Detroit to serve as an assistant to Mr. Ernest Brier, foreign sales manager, and in 1943 became vice-president to Parke-Davis Inter-American, a subsidiary company.



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## BIRTH

**FLETCHER.**—At Elsie Inglis Memorial Hospital, Edinburgh, on September 2, Dorothy (née Edgar), the wife of Thomas Douglas Fletcher, M.P.S., 13 Viewforth Gardens, Edinburgh, of a daughter.

## MARRIAGES

**COWAN-MCWHIRTER.** — At Stirling, on September 3, Alexander Cowan, B.Sc., Ph.C., 27 Shiphough Place, Stirling, to Edith Agnes McWhirter, M.P.S., 10 Argyll Avenue, Stirling.

**MCGLASHAN-ANDREWS.** — In Glasgow, on September 2, John Rutherford McGlashan, M.P.S., 50 Turnberry Road, Glasgow, W.1, to Mary Angus Andrews, Rutherglen.

**Golden Wedding.**—**RUSHTON—HEAP.**—At Accrington on September 1, 1897, Fred Rushton to Miss Heap. Present address: Briarswood, Southport.

## DEATHS

**BRIGGS.**—At the Meath Hospital, Dublin, on September 2, Mr. William Edward Briggs, M.P.S.I., the Medical Hall, Arklow. The funeral service was held at St. Saviour's Church, Arklow.

**HERBERT.**—On August 17, Mr. Alfred Walter Herbert, M.P.S., 108 Bromham Road, Bedford, aged seventy-six. In partnership with Mr. W. A. Herbert, he was in business in Bromham Road and Tavistock Street, Bedford.

**LOCKYER.**—On August 24, Mr. Gerald Hancorn Lockyer, M.P.S., 19 Leigham Court Road, Streatham, London, S.W.16. Mr. Lloyd qualified in 1913.

**OSBROW.**—At the Norfolk and Norwich Hospital, on August 23, Mr. Alfred William Osbrow, Thurne Cottage, Sprowson (president, British Optical Association), aged seventy-three.

**SHELTON.**—At his home, Alston, Plympton, South Devon, on August 23, Mr. Bernard Thomas Richard Shelton, M.P.S., for many years the proprietor of Balkwill & Co., 106 Town Street, Plymouth (now Balkwill & Co. (Chemists), Ltd.), 5 Bedford Row, Plymouth. Mr. Shelton qualified in 1910. He was a past-president of the local branch of the Pharmaceutical Society, for which he served for a long period as secretary. A keen sportsman and good shot, he was interested in boxing, swimming and football, and was an ex-director of Ply-

mouth Argyle Football Club. The funeral was attended by Messrs. C. C. U'Ren, T. B. Harvey, C.C., and E. C. Burrow (chairman, Plymouth Branch, Pharmaceutical Society).

**SIBBALD.**—At a nursing home in Edinburgh, on August 2, Mr. Duncan Robertson Sibbald, M.P.S., 82 High Street, Marinch, Fife. Mr. Sibbald had been in indifferent health for some time. A native of Bonnyrigg, he qualified in 1917 and took over the business of the late Mr. McCorquodale about twenty-six years ago. He is survived by his widow, a daughter and two sons, one of whom is engaged in the business.

**SPURR.**—On August 24, Mr. Frank Spurr, M.P.S., 163 Chorley Road, Adlington, Lancs, aged sixty-seven. Mr. Spurr, who qualified in 1907, gained experience in many parts of the country before taking over his Adlington business in 1928.

## WILLS

**MR. JOHN BUTLER DAY-LEWIS, M.P.S.,** The Square, Riverhead, Sevenoaks, left £2,516, with net personalty £2,410.

**MR. JAMES PHINEAS BUDWORTH, M.P.S.,** 21 Iron Gate, Derby, left £17,610, with net personalty £16,484.

**MR. JOHN WILLIAM JAMES TURNER, Ph.C.,** 70 Fairfield Road, Winchester, left £2,292, with net personalty £1,466.

**MR. WALTER UTTLEY, M.P.S.,** Hen Efail, Glascoed, Abergele, Denbighs, left £5,216, with net personalty £5,164.

**MR. ARTHUR VAWSER, M.P.S.,** 41 Milton Road, Cambridge, late of High Street, March, Cambs, left £3,874, with net personalty £3,814.

**MR. HENRY FULFORD PICKEN,** 237 Broadfield Road, Manchester (formerly a representative of Brook, Parker & Co., Ltd., Bradford), left £241.

**MR. SAMUEL ARCHIBALD WALTON, M.P.S.,** 49 Western Esplanade, Herne Bay, Kent, formerly of 8 Sherriff Road, London, N.W.6., left £476.

**MR. BERTRAM ERNEST HOULDER,** The Cedars, Norwood Green, Southall, Middlesex, chemical manufacturer, left £25,190, with net personalty £24,965.

**MR. CLEMENT JOHN ROBERT PRETTY, M.P.S.,** 1 Woodside Parade, Gap Road, Wimbledon, London, S.W.19, left £4,729 6s. 11d., with net personalty £4,644 18s. 3d.

**MR. HERBERT PROCTOR-SMITH, A.R.I.C.,** 7 Brambledown Road, Crouch Hill, London, N.4, formerly of Shotton, Flint, for many years chief chemist to John Summers & Sons, left £238.

## TRADE NOTES

**Travel Sickness Tablets.**—British Schering, Ltd., 167-69 Great Portland Street, London, W.1, state that supplies of Vasano travel sickness tablets are available. The tablets are issued in tubes of ten.

**Showcard Available.**—C. J. Hewlett & Son, Ltd., 35-43 Charlotte Road, London, E.C.2, have issued a showcard in connection with their specialities and will be pleased to send a specimen to any chemist who is carrying stocks of their products.

**Price List.**—A forty-four page price list issued by Paines & Byrne, Pabryn Laboratories, Greenford, Middlesex, gives full details of the company's hormone, vitamin, glandular and other specialities, and includes an alphabetical index.

**Price Increased.**—Gedeon Richter (Great Britain), Ltd., 14 Weedington Road, London, N.W.5, announce increases in the prices of their specialities Parivitan syrup and tablets and Halisterin capsules. Details are given on another page.

**Precision Bottle - washer.**—Adelphi Manufacturing Co., Ltd., Department C.D., 8 Adam Street, London, W.C.2, direct attention in this issue to their Adelphi bottle-washer, prompt delivery of which is offered.

**Released for Home Market.**—R. Demuth, Ltd., Farnham, Surrey, have now released for sale in the home market their talcum toilet powder in attractively printed sprinkler-topped tins in three perfumes (eau-de-Cologne, fougère and rose geranium).

**Chilblain Ointment.**—Perivale Laboratories, Ltd., Wadsworth Road, Perivale, Middlesex, are marketing, as Perivale chilblain ointment, a preparation that was extensively used by the Auxiliary Territorial Services during the 1939-45 war. Terms are given elsewhere in this issue.

**Show Material.**—A new three-colour showcard for Wisdom tooth-brushes is now available from the manufacturers, Addis, Ltd., Hertford. A series of three smaller cards in two colours has also been prepared. Sizes are: Showcard, 11 x 7½ in.; counter cards, 6½ x 4 in.

**Christmas Displays in Eire.**—Displays of goods suitable for the Christmas seasonal trade are being arranged by Gillespie & Co., Ltd., 121 St. Stephen's Green, Dublin, at the Hotel Metropole, Cork, for one week

from October 6, and at the Royal George Hotel, Limerick, for one week from October 13.

**Change of Name.**—The manufacturers of B.D. bunion dressing, Wilsons Chemical Products, Ltd., 18 Old Town, London, S.W.4, announce that the speciality is now being advertised as B.D. Baume Dalet and that for a time it may be anticipated that customers will ask for the product under both titles.

**Container Shortage.**—Appeals for the return of containers are made in this issue by H. W. CARTER & Co., LTD., The Old Refinery, Bristol, 2 (manufacturers of Ribena blackcurrant syrup), and by the CONTAINER RECOVERY SERVICE (S.P.D.), Ltd., Unilever House, Blackfriars, London, E.C.4).

**Register of Chiropodists.**—The Board of Registration of Medical Auxiliaries has issued the sixth edition of its National Register of Chiropodists. The new edition runs to 114 pages and includes lists by counties and in alphabetical order. Copies may be obtained gratis on application to the Registrar, Tavistock House North, Tavistock Square, London, W.C.1.

**Condition of Sale.**—Gillette Industries, Ltd., Isleworth, Middlesex, draw attention to the terms under which their razors and blades are supplied to retailers, among them being conditions that the wholesale and retail prices shall be maintained at the levels fixed by the company, and that the blades shall not be exported from Great Britain without written consent from the manufacturers.

**Lighting Fittings.**—Philips Lamps, Ltd., lighting department, Central House, Shaftesbury Avenue, London, W.C.2, announce the introduction of six entirely new 40-watt fluorescent industrial lighting fittings. The fittings incorporate detachable reflectors of opal Perspex or enamelled steel, and provision is made for alternative mountings of one or two lamps. All the fittings are complete with apparatus and already wired. Further details may be obtained from the company.

**Apparatus for Sterilisation.**—Pentecon, Ltd., Hindle Street Works, Accrington, Lancs, are manufacturers of the Pentecon autoclave. The apparatus, which has a capacity of about seven 20-oz. bottles or their equivalent, is made from light-weight



pressed (not cast) material, is rustproof, and has an internally fitted lid and safety sealing feature. The apparatus is thermostatically controlled and cannot be opened accidentally under pressure. A six-page leaflet describing the autoclave is available from the manufacturers.

**Display Stand.**—A new showstand for displaying the Omniped foot cushion is available from the manufacturers, International Foot Appliances, Ltd., 92 Baker Street, London, W.1. The stands are oval in shape, constructed of aluminium sheet, and show the sole of the foot embossed and dressed with an actual foot cushion with bandage. The sole distributors of Omniped foot cushions are Thos. Christy & Co., Ltd., Farnham, Surrey.



**Photography as Export Aid.**—Correctly described as "a wide selection of good pictures," the "Photography Aids Export" exhibition opened by the Institute of British Photography at the Alpine Gallery, 74 South Audley Street, London, W.1, no doubt realises the organisers' hope that it will "give some idea of photography's versatility and appeal." It includes such outstanding examples as Stewart Bale's "Air Towers at Penicillin Factory, Liverpool" (see *C. & D.*, 1946.I.624), Ernest Heimann's excellent compositions "Measuring Cylinders," and "Measuring Flasks," the more frankly commercial "shots" of bottles passing through a washing machine (Arnold Behr) and a housewife using I.C.I. washing soda (Charles Wormald), not to mention many examples from other industries. The only doubt is whether, in this day and age, any industrialist, and particularly any exporter, needs to be given that idea. If there are any left who are ignorant or sceptical of the value of photography in salesmanship, the restrained, drawing-room atmosphere of the exhibition, in which the pictures are called upon to speak for themselves without benefit of legend, seems hardly calculated to drive the lesson home. It may be hoped that they will seek guidance from the panel of specialists whose services are offered in the catalogue.

## CASH PRIZES FOR DISPLAYS

A COMPETITION, in which five cash prizes are being awarded for window displays of Crookes' halibut liver oil, is being organised in specified areas by the Crookes Laboratories, Ltd., Park Royal, London, N.W.10. The prizes are: First, £40; second, £20; third, £10, with two consolation prizes of £2 each, in each area (total £1,000).

The areas and display periods are as follows:—

LONDON, NORTH, October 6-18.

BOURNEMOUTH AND POOLE, October 20-November 1.

EDINBURGH, November 3-15.

LIVERPOOL, November 17-29.

BIRMINGHAM, November 24-December 6.

NOTTINGHAM, December 1-15.

READING AND AREA, January 5-17.

BRISTOL, January 12-24.

CARDIFF, January 19-31.

MIDDLESBROUGH AREA, February 2-14.

CAMBRIDGE, February 9-21.

LONDON, SOUTH, February 16-28.

LEEDS, March 1-13.

BELFAST, March 8-20.

MANCHESTER, March 15-27.

Judging will be by a panel appointed by the company, together with nominees of the Editor of the CHEMIST AND DRUGGIST. Marks will be awarded on the following basis:—

First impression (i.e. immediate eye-catching quality), possible points 5.

Originality (both of arrangement and of ideas), 5.

Effectiveness (i.e. clarity with which the story is told), 5.

Artistic qualities (i.e. most effective use of space available, grouping of material, and use of colour), 5.

Sales angle (i.e. persuasiveness in promoting sales of the product), 5.

Show material, but not dummy packs, are available, but competitors are under no compulsion to make use of the show material issued by the company. Displays may be of any size and in any colour scheme, but professional window dressers must not be employed. Each entrant must undertake that his display is on show at the appointed dates, and the decision of the judges must be accepted as final. A leaflet giving complete details of the conditions is available from the company. Prize-winners will be notified both direct and in THE CHEMIST AND DRUGGIST.

## FINAL REPORT ON PATENTS

THE Departmental Committee on Patents and Designs set up by the President of the Board of Trade in April 1944, has just issued its final report (Cmd. 7206). Interim reports were presented in April 1945 and April 1946 (see *C. & D.*, 1945.I.511 and 1946.I.481). The Committee records that the discharge of its duties involved a total of eighty-one whole-day sittings extending over rather more than three years.

In entering the final stage of its inquiry, the Committee invited, and received, communications from a large number of interested persons and groups, but "found no cause for modifying the conclusion, recorded in our earlier report, that there is no indication of a general desire for any fundamental change in the present system of encouraging and rewarding invention by the grant of patents." Proposals are made, however, on many points, important among them being suggestions for simplifying and cheapening procedure, rectifying or removing inconsistencies, anomalies or anachronisms, safeguarding the rights of employee-inventors, clarifying third-party rights, etc. A special chapter is devoted to chemical patents.

### Applicant's Position

The position of the applicant is the first subject on which a recommendation is made. It is urged that there should be an amendment of the Acts to permit an assignee to be in all cases a competent applicant for a patent. At the same time it is considered essential that, where the application is made by the assignee, the form of application should be signed by the inventor, signifying his assent to the filing of the application by the assignee, and the grant of the patent to him in due course. The inventor's name should also appear upon the printed specification. It ought also to be made clear, continues the Report, either in the provisions of the Acts or in the form of application prescribed by the Rules, that the assent of the inventor to the patent issuing in the name of the assignee is given without prejudice to any agreement, expressed or implied, that may subsist between the inventor and the assignee upon the beneficial enjoyment of the rights conferred by the patent. Behind these recommendations is the finding that hardships and anomalies have arisen from the fact that the rights of the assignee cannot be recognised, under the Acts as they stand,

until the patent in question is sealed. Hitherto the "true and first inventor" could alone make application.

To safeguard the rights of employees, the Committee recommends that in all cases where any person claims to be entitled to have a patent issued to him on the strength of a written agreement, that agreement should only be accepted as evidence of his title to such transfer if it identifies the particular invention by reference to the number of the patent application, or if the assignee obtains and produces to the Comptroller the inventor's signed assent to the transfer of that particular patent, when granted. This requirement would overcome a Patent Office procedure, described as "not satisfactory," of accepting an "omnibus agreement" by which an employer undertakes to reward an employee inventor for inventions of outstanding value, and notifying the inventor by letter at an address previously given, "without guarantee that he always receives the letter." The Committee considers that there are also instances when both employer and employee can fairly be said to be entitled to a share in the benefits of an invention, and recommends that, where a dispute arises as to the ownership of the invention of an employee, or a patent therefor, the tribunal should be expressly required, in any case in which it is not satisfied that either party is entitled to the whole benefit of the invention or patent, to make an order apportioning the interest in or benefit derivable from the invention or patent between the parties, "in such manner as it may deem just." Many disputes arise that it should be possible to settle, whether there is a written agreement or not, by a simpler and cheaper procedure than an action in the High Court, and it is accordingly recommended that provision should be made in the Acts for disputes of this character to be submitted, by consent of both parties, to the Comptroller, who should be empowered to determine the question at issue, and to make an order for vesting the patent either exclusively in one or other of the parties, or jointly in both parties, and generally to impose terms considered just, but subject to appeal.

### Date of Patent

Confusion has arisen, and dissatisfaction been caused, by the date of a patent being taken in this country as the date of appli-



cation. It is suggested that the date of filing the complete specification should be treated as the date of the patent, and that a separate priority date should be accorded to the application or patent where a provisional specification has been lodged with the application, or where the applicant or patentee is entitled to claim priority under the provisions of the present legislation. Accordingly, where any claim of a complete specification filed after a provisional specification is challenged on the ground of anticipation or prior claim, and the applicant or patentee can show that the invention contained in that claim has its counterpart in the provisional specification, and that that specification antedates the document cited, he will be able to defeat such objection. Similarly, in the case of a Convention application or patent, the objection of anticipation can be defeated if it can be shown that the invention claimed in any claim against which an anticipation is cited is contained in the antecedent specification on which the Convention application or patent is based, and that such antecedent specification is of prior date to the anticipation. In all applications (including Convention applications) the date finally allowed by the Comptroller as the date of filing the complete specification is recommended to be treated as "the date of the patent," from which the term of the patent, and liability for payment of renewal fees, shall run. The Examiner's search, where made, will also be carried up to this date. As a corollary, an applicant who in the first instance has filed a provisional specification, or who applies under the appropriate provisions, will have the right to rely upon a priority date based upon his provisional or his specification filed in a Convention country, as the case may be, and in so far as the subject-matter in any claim of his complete specification is disclosed in such earlier document, he will be able to rely on the date of the filing of that document as the priority date of that claim. To give effect to this recommendation it becomes necessary to introduce into the Acts a Section defining the meaning and effect of the priority date. The Committee has prepared and included, as an appendix to the Report, a tentative re-draft of the first twenty Sections of the Acts.

### Third Party Rights

The Committee reached the conclusions, after carefully considering the difficulties

arising with third parties owing to the frequent expiry of grants before orders are made extending their term, that complete discretion as to the conditions upon which a regrant of Letters Patent may be ordered should be retained by the Court; that clear and unambiguous standard conditions should be framed to afford reasonable protection to third parties who, in the absence of special circumstances, might have begun to avail themselves of the subject-matter of a patent after the date of expiry of the original grant; that the standard conditions should be inserted in all orders for regrant, unless either the patentee or an opponent satisfy the Court that the special facts of the case required that they should be relaxed or strengthened; and that it should be made clear, if necessary by the insertion of suitable words in Section 18, that any person had a right to be heard on the application for extension of the term of a patent solely for the purpose of bringing to the attention of the Court special circumstances which justified the insertion of special conditions in the order for regrant, and that such person may be awarded his costs if the Court is satisfied as to the reasonableness of his case. A suggested wording of the standard conditions is given.

### Chemical Patents

A number of important recommendations are made limiting and defining the rights of the Crown in the exploitation of patents, before the Committee goes on to deal with chemical products. This section of the Report is reproduced in full:—

According to subsection (1) of Section 38A, substances "produced by chemical processes or intended for food or medicine" cannot be claimed *per se* in the specification. Claims are only allowable when limited to particular processes of manufacture. This limitation was introduced in the 1919 Act, mainly on account of the numerous broad claims for new dyestuffs made by German inventors in British patent specifications.

It has been strongly urged that this limitation on the claiming of new substances should be removed as not being in accordance with modern technical developments. It has been argued that the real invention lies in the discovery of a new substance, with new and useful properties, and that the process of manufacture often involves little novelty in itself. Many valuable new substances are produced by synthesising a large number of possible compounds by known methods and then determining which of the new substances have useful properties. It has also been pointed out that the limitation imposed by this subsection has little practical value, and that it merely encourages the drafting of a specification to cover all conceivable methods of manufacture, so that, in effect, it is the substance itself and not the

process of manufacture which is protected by the patent.

Several witnesses also expressed the opinion that the phrase "obvious chemical equivalents" used in this subsection is indefinite and leads to difficulties in interpretation. It has also to be recognised that modern scientific developments, such as those in the field of nuclear physics and chemistry, will considerably increase the difficulties of defining "chemical processes." The definition of "chemical processes" is fundamental for the operation of this subsection, as it prohibits the claiming of substances (other than food or medicine) only when they are made by "chemical processes." Substances (other than food or medicine) made by physical processes can be claimed as such, and the claims need not be limited to the particular process of manufacture. It is, for example, the practice to grant patents for new alloys on the principle that they are prepared by physical processes, even though it may be open to argument in some cases that the formation of intermetallic compounds between constituents of the alloy should be regarded as a chemical process.

We are impressed by the arguments which have been advanced in support of the proposal for removing this limitation on the claiming of new substances produced by chemical processes, and we recommend that this limitation be repealed. We also consider that a claim for a new substance should always be deemed to exclude the same substance when found in nature.

The effect of granting a patent for a new chemical substance will clearly be to give the patentee an exclusive right to manufacture that substance. Any new and improved process for making that substance which may be subsequently discovered would, although patentable, infringe the prior patent, and could only be operated under licence from the original patentee. In our view, however, the proposals for the amendment of Section 27 contained in our Second Interim Report should ensure that neither the later patentee nor the public would be deprived of the full benefit of the later invention, or hindered in using it.

The reasons for removing the limitation at present imposed upon the claiming of new substances produced by chemical processes do not apply with the same force in the case of substances intended for food or medicine, and we should have been inclined to leave the provisions of this Section unaltered in so far as they relate to food and medicine. It has, however, been pointed out that there may be many cases in which it is extremely difficult to determine whether a new chemical substance, which is capable of being used as a medicine or a food, as well as for industrial purposes, is to be treated as a chemical substance, which may be claimed without limitation in regard to process of manufacture, or whether it is to be regarded as a medicine or food which can only be claimed in relation to a particular process of manufacture.

The choice, therefore, lies between retaining the existing limitation on the claiming of chemical substances, as well as on the claiming of substances used for food or medicine, or removing the limitation equally in the case of all new

chemical substances, whether they are used for industrial purposes or for food or medicine.

On the whole, we have come to the conclusion that it is preferable to remove the limitation equally in all these cases, and that this course may be safely adopted subject to the retention of the provisions of subsection (3) which directs the Comptroller, unless he sees good reason to the contrary, to grant to any applicant a licence limited to the use of the invention for the purposes of the preparation or production of food or medicine, but not otherwise. In view of this decision we desire to withdraw the recommendation contained in paragraph 65 of our Second Interim Report, suggesting the repeal of subsection (3) of Section 38A.

We also recommend that the proviso which precludes the claiming of admixtures in the case of food and medicine should be extended to preclude the claiming of any mere admixtures resulting only in the aggregation of the known properties of the ingredients of that substance. This provision would probably find a more appropriate place in Section 75 of the Acts.

If our recommendations in paragraph 95 are accepted, subsection (2) of Section 38A should be cancelled.

### Joint Ownership of Patents

The Committee recommends abandonment of the term "joint tenants" in favour of "co-owners" or "co-patentees." It should be made clear, also, that the relevant Section applies, not only to the original grantees of a patent, but to co-owners of all kinds, whether original grantees or those taking by assignment or other operation of law.

### Designs

A new definition is suggested for "design":—

"Design" means only the features of shape, configuration, pattern or ornament applied to an article by any process or means which in the finished article appeal to and are judged solely by the eye; but does not include a mode of principle or construction nor features dictated solely by the function which the article has to perform.

"Article" means (as respects designs) any article of manufacture, and shall include any part of an article which is made, sold or otherwise dealt with as a separate integer.

It is also recommended in the Report that the Comptroller's power to search for novelty should be "more definitely conferred by statutory provision," without imposing any obligation of search; that the present system of registration in specific classes should be discontinued, that an applicant should merely be required to specify the particular article in respect of which he seeks registration; and that the definition of "copyright" should be amended accordingly.



## MEDICAL ABSTRACTS

**Use of Radioactive Thorium.** — Two cases of mycosis fungoides have been treated with Thorium X by Green ("Proceedings of the Royal Society of Medicine," July, p. 503). 200 units of the preparation in iso-propyl alcohol was painted on the affected area once a week for six weeks. The itching was completely relieved, but after many weeks scaly erythema and itching returned. A course of intravenous injections of the drug was then tried, 100 units in saline being given once a week for twelve weeks. Relief was shown by both patients and the erythema of one patient diminished. A differential blood count taken before, during, and after treatment, showed no abnormality, but the injections were stopped, and use of the previous external application was reverted to.

**Streptomycin in Plague.** — Streptomycin is stated by Herbert ("Lancet," May 10, p. 626) to inhibit the growth of the plague bacillus *in vitro*. In concentrations of three units per mil or over, the compound brings about rapid sterilisation of plague cultures. In mice infected subcutaneously with a virulent plague strain in dosages sufficient to kill 100 per cent. of control animals, two-and-a-half day courses of streptomycin injections (800 units per day) given (a) immediately, (b) twenty-four hours later, and (c) forty-eight hours after infection gave 85, 60 and 5 per cent. survivals respectively. Three-and-a-half day courses of 40,000 units per kilo per day gave 100 per cent. survival, even when administration was delayed for forty-eight hours. The author suggests that experiments should be done on human plague.

**Streptomycin Toxicity.** — Farrington, Hull-Smith, and others in New York have investigated the toxicity of streptomycin in a group of tuberculous subjects who received 3 gm. of purified streptomycin sulphate daily for 120 days ("Journal of the American Medical Association," June 21, p. 679). Highly purified samples caused "appreciably less irritation" at the site of intra-muscular injection than did the drug available for general clinical use. Repeated intrathecal injection of 0.1 gm. of the drug was well tolerated, but doses of 0.2 to 0.375 gm. sometimes produced reactions of a potentially serious nature. All of previously described toxic symptoms, except the "histamine reaction" were observed after the use of the highly purified drug. Deaf-

ness developed in two of the sixteen subjects, and in three persons treated subsequently.

**Rheumatoid Arthritis.** — The successful treatment of apparently hopeless cases of rheumatoid arthritis by administering transfusions of blood taken from pregnant women is described by Barsi ("British Medical Journal," August 16, p. 253). Twenty-eight patients, none of whom had responded to other methods of treatment, were each given transfusions of 300 mls of citrated blood, the transfusions being repeated several times according to the symptoms of improvement. Eighteen patients recovered, or showed improvement which came "with dramatic suddenness" and was lasting in effect. Twelve patients remained unchanged. The author concludes that there are some cases of rheumatoid arthritis which can be promptly and permanently cured by an unknown material circulating in the blood of pregnant women.

## 'FIFTY YEARS AGO

### Empire Pharmacy Qualifications

(From the C. & D., September 11, 1897)

In previous articles we have endeavoured to show the conditions under which pharmacy is practised in those parts of the British Empire where pharmacy laws are in force, and a striking feature about the conditions is that they are more or less related to those imposed by the Pharmacy Act of 1868. Whether by design or accident, the methods by which chemists and druggists qualify throughout the Empire are in essence the same. The differences in detail which are noticeable occasionally in the colonies are generally good. The pre-pupilage Preliminary examination of Tasmania and Victoria, the four-years' apprenticeship in the majority of colonies and dependencies, and the collegiate training are points for which home educationists have agitated, and it seems unquestionable that if Imperial Pharmaceutical Reciprocity ever comes into the region of practical politics these will be made universal conditions. But we do not conceal from ourselves that we are still far from a businesslike consideration of the matter. A letter or two addressed to the Pharmaceutical Society of Great Britain will not bring it about.

## PERSONALITIES

MR. J. C. CRUICKSHANK, M.B., Ch.B., has been appointed professor of bacteriology (hygiene) in the University of London.

MR. DAVID CHAMBERS, M.P.S.N.I. (proprietor of Prior's Pharmacy, Londonderry) has arrived home after completing a three months' tour of South and East Africa.

MR. ANDREW WILSON, a former member of the executive committee of the Ulster Chemists' Association, has been appointed lecturer-in-charge of the department of book design and typography in the Bath Academy of Art. He was formerly in business as a chemist at Albertbridge Road, Belfast.

SIR ROBERT HOWELL HUTCHINGS, K.C.I.E., C.M.G., whose new appointment to Glaxo Laboratories, Ltd., is announced on p. 304, has had a distinguished career in the Indian Civil Service. He served as Minister of Food and Agriculture in the Governor-General's Executive Council.

MR. FRED RUSHTON, whose golden wedding is announced on p. 305, is chairman of Rushtons (Wholesale), Ltd., Southport. Mr. Rushton has travelled extensively on

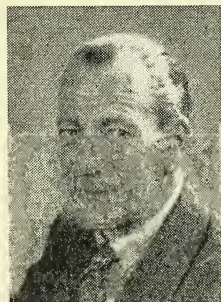
the Continent, and has lived for three years in Russia. He has four sons of whom Mr. L. Rushton, M.P.S., is managing director of Rushtons (Wholesale), Ltd.; and Mr. G. I. Rushton, M.P.S., is managing director of Timothy Whites & Taylors, Ltd.

MR. H. N. RYDON, D.Sc., Ph.D., (Lond), D.Phil. (Oxon.), has been appointed to the University Readership in Organic Chemistry, Birkbeck College, London, from October 1. Recently he has been working with the Medical Research Council's unit for bacterial chemistry at the Lister Institute.

MR. T. J. ROBERTS, M.P.S., 2 Well Street, Ruthin, Denbighs, who has been appointed to the National Health Executive Council for Denbighshire and Flintshire, has been a member of the Denbighshire National Health Committee for nearly thirty years, and was its chairman twice. This year he is distinguished by being president of the Welsh Association of Insurance Committees, an office seldom occupied by a pharmacist. Mr. Roberts is also a member of the Welsh Pricing Bureau.

## A PHARMACEUTICAL WORKS IN DUBLIN

LIKE its parent house in Liverpool, which had to face a period of disorganisation caused by war, the first overseas subsidiary company—in Eire—of Evans Medical Supplies, Ltd., had a succession of tribulations, all within the past eighteen months. The first was a disastrous fire at the North Wall factory and warehouses in Dublin in July 1946, when virtually the entire stocks and plant were destroyed and only the records saved.



Mr. W. R. Such

Mr. William R. Such (managing director of the Irish company) had barely succeeded in finding a suitable new premises at Distillery Road, Dublin, when a fourteen-week strike commenced in the wholesale trade. Reverses of this kind, it is hoped, have ended.

The new Irish headquarters, though

located in open surroundings, with a belt of green fields upon its north-western side, is within two miles of the centre of the city. It covers an area of 23,000 sq. ft. and is all on one floor. The administrative offices are located on the right of the entrance.

### Labour-saving Layout

The planning of the storage space is along methodical labour-saving lines, with steel shelving. On the right-hand side of a central aisle raw materials and containers are received. They pass direct into the manufacturing and filling departments, and from there to the counter-adjuncts, sundries and outwards order departments, finally reaching the dispatch department on the left-hand side of the building. Two specially built vaults, with fireproof steel doors, have been constructed at the end of the warehouse to house highly inflammable or dangerous substances such as ether, acids, etc., in accordance with the regulations. Beside the vaults is a locked D.D.A. storage department. A laboratory is in course of construction. Adjoining the warehouse is a staff canteen.



# EVANS' NEW HOME IN FIRE

Top: Exterior view,  
Centre: Warehouse.  
Bottom left: Dis-  
patch department.  
Bottom right: Fil-  
ling department.





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FOR WHOOPING COUGH**HALL FORSTER & CO. LTD**

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large market for Lusty's HERBALENE, a  
natural, non-habit forming laxative, and  
one of a group of pure herbal products.  
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WESTCLIFF-ON-SEA

ESSEX

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Headache, Neuralgia  
and other powders**INFORMATION WANTED**

The Editor would appreciate information  
about suppliers of the following items:

Pempocaine  
Hibinol  
Floragen perfumes



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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

OL. CXLVIII SEPTEMBER 13, 1947 NO. 3525

## Issues Before the Branch Representatives

It is evident from the text of resolutions already notified as being on the agenda for discussion at the Branch Representatives' meeting at Torquay on September 17, that the mood of members is critical. Spokesmen put up by the Council to present reports on:—

- (a) Revision of the Society's constitution;
  - (b) The proposed prohibition of canvassing by Council candidates; and
  - (c) Time of holding the annual meeting
- are, like the chairman of the Education Committee (who is to give an "explanation" of the changes in the education regulations), not going to be given an easy passage, and will have to justify their actions in the face of opposition.

The motions, which come principally from the Home Counties but include some from as far away as Leeds and Durham, cover a fairly wide field of pharmaceutical territory, but have in common a dissatisfaction by the movers with the way in which the Society's affairs are being handled. Dartford, for example, demands "much more" space in the Society's weekly periodical for branch reports, with "special emphasis on discussions and criticisms," the implication being that items unpalatable to the powers-that-be are excluded from or minimised in the columns of our contemporary. Into the validity of that criticism it would be invidious for us to enter, except to the extent of pointing

out once more how desirable it is, when such fears are prevalent, that publicity should be available, as with reports of Council meetings, through completely independent channels. It may be pertinent to mention at this juncture that the circulation of the *C. & D.*, to which no reader is under any sort of compulsion to subscribe, is at as high a level today as ever it has been, despite paper restrictions, a fact that seems to indicate a widespread desire among pharmacists to know as much as possible of what is going on.

## Over-centralisation Fears

Behind a Leeds resolution seeking a higher grant to branches for local organisation, and demanding the sanction of a two-thirds majority of branch representatives for any constitutional changes, lies an evident anxiety to prevent over-centralisation within the Society with its attendant danger that decisions may be taken by a few in London against the real wishes of the Society's members, but without, in turn, much possibility of rectifying them once they have been reached and set in operation. Similar fears underlie both the call by Harrow that the annual Branch Representatives' meeting shall henceforth be separated from the British Pharmaceutical Conference, and not held in the less-readily-accessible places to which at times the Conference, for its own special reasons, repairs; and a resolution from East Kent on the recurrent topic of territorial representation. It will be apparent that the venue of the current Conference lends colour to the first fear, causing greater hardship on a Scottish branch, for example, in time of absence of its representatives than on a Southern branch. We understand, and appreciate, the point of view, but are doubtful if the proposed divorce would be in the best interests of the profession. Admittedly the sacrifice to individual members called upon to attend the Branch Representatives' meeting would in many instances be less, but the expense of arranging two assemblies, involving as it would two series of social events that are now shared, would make the cost to pharmacy as a whole very much higher than at present.

East Kent is demanding also that the Council should abandon a proposed by-law forbidding election candidates to canvass. The intended ban is based on the view that for a learned body to allow its members to solicit support for a policy is derogatory to its dignity. For two reasons this opinion, even disregarding the quite tenable line of argument that learned bodies might be the better for a degree of controversiality and competition in the election of their legislators, is based upon fallacious reasoning. First, the Society is not a learned body. The principal functions of its Council are (1) benevolence, which is political, or at any rate social, though certainly not academic; (2) education which, whatever Mr. Maplethorpe may say, is political, affecting the status and recruitment of the profession; and (3) law enforcement, which ought certainly to be outside politics but is equally certainly not a cultural matter. Secondly, the learned Societies have different functions.

We hope the opposition to the proposal will be pressed, for while it is not denied that the motives of those who wish to suppress canvassing are of the loftiest, the ultimate effect of their proposed by-law can all too easily be that the Council degenerates into an eminently respectable, docile and uncritical instrument of its permanent officials. If there is to be no advocacy, then *ipso facto* there are no policies.

Finally we may refer to the Durham County resolution deploring the adoption of the new education policy without its having first been studied and discussed in the Branches. This is the most critical of all, and a welcome indication that the spirit of independence and protest is still very much alive, for the Education Committee's chairman had decreed that the subject was not one for discussion. Fearing opposition, he consented to "explain" the new provisions but clamped down on the opportunity for airing any opinions. The Council, whether stunned or fascinated by his eloquence, acquiesced in this course, and that would have been the nice, quiet end of the matter if this northern branch had not tabled its resolution. Whatever next!

## C. & D. DISPENSING PRICE LIST

THE following changes of price which occurred during August should be noted :—

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price		
d.	per		4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
16	oz.	Acid. tannicum	—	2 4	0 4
6	oz.	Aloe Curaçao pulvis ..	—	0 10½	0 1½
66	lb.	Ammon. phosphas acid.	2 5	0 8	0 1½
10	oz.	Anthemidis flores exot. . .	—	1 6	0 3
105	dr.	Berberin. sulph.	per	grain	0 4
42	lb.	Carum pulvis	1 6	0 5	—
30	lb.	Cetraria ..	1 1	0 4	—
87	lb.	Emuls. olei olivæ B.P.C.	3 2	0 10½	—
18	oz.	Ext. sarsæ Jam. liquidum ..	—	2 8	0 5
14	oz.	Ferri et mangan. cit.	—	2 0	0 3½
16	oz.	Hydrarg. perchlorid. S.1., P.11 (4) ..	—	2 4	0 4
19	oz.	Hydrargari ammoniatum P.1 (8) ..	—	2 10	0 5
19	oz.	Hydrarg. subchloridum ..	—	2 10	0 5
112	oz.	Inf. rhei conc.	4 2	1 2	0 2½
70	lb.	Lin. aconiti meth. S.1. (5)	2 6	0 8	0 1½
7	lb.	Liq. hydrogenii perox. 10 vol. (16 oz. 10d.)	0 3½	—	—
10	lb.	Liq. hydrogenii perox. 20 vol. (16 oz. 1/3)	0 5	—	—
10	oz.	Ol. citronellæ	—	1 6	0 3
18	oz.	Ol. graninis citrati ..	—	2 8	0 5
42	oz.	Ol. limonis ..	—	6 4	0 11
68	oz.	Ol. menthae pip.	—	10 0	1 7
42	oz.	Ol. pini pumilionis ..	—	6 4	1 0
32	oz.	Ol. pini sylvestris ..	—	4 8	0 8
54	oz.	Ol. pulegii exot.	—	8 0	1 3
66	oz.	Podophylli resina (emodi)	—	—	1 6
112	oz.	Podophylli res. (peltatum)	—	—	2 7
98	lb.	Pulv. rhei co.	3 6	1 0	0 2
14	oz.	Styrax ..	—	2 0	0 3½
54	oz.	Theobromina et sod. acet.	—	—	1 2



## PHARMACY IN WEST CHINA

The Editor has received the following letter from Dr. E. N. Meuser, West China Union University, Chengtu

SIR,—It may be of interest to our friends among the readers of the *C. & D.* to know that I have arrived back on the campus of the West China Union University, Chengtu, and have resumed my work in the Department of Pharmacy laid down when leaving for furlough in England, Canada and U.S.A., just over a year ago. Many changes have taken place in West China since the end of the war owing to the return of the many war refugees in this part of "free" China to their native provinces in Central, East, North and South China. During some seven years of the war there were four guest universities on the Campus of the West China Union University. All have now left. We find ourselves fully "on the map" and recognised as an educational institution of almost unlimited promise because of our unique position in this vast western area with its population of over 100 million people. Student enrolment has more than doubled itself on the pre-war figures.

### Post-war Problems

The three divisions of the department, namely school, research and experimental drug manufacture (or business division), are at present occupied with the many problems of the post-war transition period in rehabilitation, reconstruction, and the obvious need to develop pharmaceutical education and practice so as to meet the ever-increasing demand. In face of the need we are experiencing a stark inadequacy of materials. Supplies of equipment, reagents, chemicals, library books and journals, have been drastically depleted owing to the war. Reconstruction is, of course, proceeding as rapidly as resources permit. The school, research, and manufacturing laboratories all need help.

The situation was anticipated. While on furlough in Canada and America during 1946, and while in England on my way to Canada in 1945. I did my utmost to inform those engaged in pharmacy and allied work in English-speaking countries regarding the post-war programme, and to interest them if possible in taking an active, co-operative part in the task. I take this opportunity of thanking those who gave much-needed encouragement and help, especially those in charge of the

colleges and schools of pharmacy who co-operated by granting fellowships, scholarships or assistantships for Chinese pharmacists abroad. We are particularly indebted to the Wellcome trustees for timely and generous financial support in the research division of the West China Union University department of pharmacy, and for a fellowship for a graduate of the department for special study, work and observation of pharmacy in England. Co-operation with pharmacy in China will, we believe, prove of mutual benefit to all concerned. We regret that British manufacturers have not been able to avail themselves to a greater extent of business opportunities in this tremendous section of the country. The laboratories of the department of pharmacy of this university can give assistance to any British company interested in pharmaceutical or allied trade in China. I shall always be glad to hear from any friend who can find time to write; and would also appreciate a letter from any pharmacist of Chinese or other nationality interested in joining us here in our programme of developing modern pharmaceutical education in China. My address is: West China Union University, Chengtu, Szechwan, China.

E. N. MEUSER.

### Making the Treatment Fit the Case?—

You still read about clinical trials of new drugs in which it is cheerfully assumed that every drop, tablet, or capsule written up on the bed-letter must have reached the patient's tum-tum, so my first and last bit of research may be of interest. It was suggested by somebody that I should try a certain barbiturate in the chorea ward. . . . We had about a dozen cases, so I wrote the stuff up on the bed-letter and stood back for results. Roughly they came to this: in severe chorea the drug had absolutely no effect; in the rest it produced a drug fever with morbilliform rash after five to ten days, and as the rash cleared the chorea went too. . . . I learnt the explanation ten years later. . . . Sister had heard about this drug, and thought it dangerous stuff, so she gave it herself—full doses to the slight and moderate cases, and none at all to the severe."—Peripatetic Correspondent in the "Lancet."

## INQUESTS

**Ammonia for Hospital Treatment.**—At an inquest at Wakefield, recently, on a fifty-eight-year-old woman, it was stated that she had taken ammonia in the hope of being removed to hospital, from which she wanted ear treatment. A doctor gave evidence that death was due to diabetes accelerated by ammonia poisoning; there was no record of any ear disease. A verdict of misadventure was returned.

**Disinfectant Instead of Calamine.**—At an inquest at Birmingham recently it was stated that a ward sister at Queen Elizabeth Hospital, Birmingham, applied disinfectant to a scald dressing in mistake for calamine lotion, which was stored in a similar bottle. Next day the patient was found in a collapsed condition, and later died from inflammation of the kidneys following absorption of the disinfectant through the damaged skin. A verdict of death by misadventure was recorded.

**Mistaken Label.** — At a Cumberland inquest held recently on a two-and-a-half-year old child, a witness stated that camphorated oil had been given in mistake for glycerin. The coroner stated that, although the bottle was marked "for external use only," it was not labelled "Poison" and could very easily be mistaken for a similar bottle containing non-toxic substances. He suggested that the Pharmaceutical Society should be approached on the matter of a more distinctive marking.

**Doctor Bought Barbitone.**—At an inquest held at Cambridge recently on a local doctor, a public analyst stated that, from a post-mortem examination, it was evident that a poisonous dose of barbitone had been taken. A family witness stated that the doctor had been taking barbitone tablets for several years; according to a police witness he had been in the habit of buying bottles of 100 tablets of barbitone. A verdict was returned of accidental death through inadvertently taking an overdose.

**Death in Animal Dispensary.** — At an inquest held at Friern Barnet recently on the proprietor of a pet shop at Finchley, it was stated that the police, on forcing an entry into the pet shop, found his body lying on the floor of the dispensary. Both surgery and dispensary were in a state of disorder with animal medicine bottles spilt on the floor. Near the body were empty cartons of Nembutal and phenobarbitone tablets. A verdict was returned that the

shopkeeper had committed suicide while the balance of the mind was disturbed.

**Iron Poisoning.**—At an inquest held at Greenwich recently on a sixteen-year-old girl, a pathologist stated that the girl had died from iron poisoning after taking a number of iron tonic tablets prescribed for her mother. Dr. H. M. Walker (director of research for the makers of the tablets) said that research was being done on possible poisonous constituents in the tablets and a report on the findings would be published soon. It was remarkable, he stated, that, during 300 years' use of iron as a tonic, no case of iron poisoning had been mentioned in literature. A verdict of death from misadventure was returned.

**Death from Sleeping Tablets.**—A verdict of suicide while the balance of the mind was disturbed was returned at a Walthamstow inquest recently on a local shopkeeper. Mr. Charles Williams, a director of a Walthamstow firm of chemists, said that he sold a bottle of Nembutal capsules to Mr. Levy on the evening before his death. Mr. Percy Willcocks, a local pharmacist, described the dosage and purpose of the capsules and a Home Office analyst said he found the equivalent of gr. 30 of a poison of the barbiturate group, which could have been Nembutal, in the dead man. "I am satisfied that he has taken the capsules or the greater part of them, and I shall return a verdict of suicide whilst the balance of the mind was disturbed," the Coroner said.

**Cyanide for Wasps.** — A verdict of "Death from cyanide poisoning, self administered, while the balance of her mind was disturbed," was returned at a Wrexham inquest held recently on Mrs. Mary Anne Wynne, Wrexham. A pathologist said the stomach contained 8-10 gr. of a cyanide, equivalent to from 4-5 gr. of prussic acid. The minimum lethal dose was less than one grain. The doctor who conducted the post-mortem examination said that there were indications that the poison had been taken in a crystalline form. The woman's husband said that he had bought a quantity of sodium cyanide in crystalline form from an Oswestry chemist to exterminate wasps. At home he transferred it to a jar, which he labelled. The jar was kept on a shelf in the back kitchen and he had told his wife about it. He was surprised to find the jar empty.



## BUSINESS QUERIES AND ANSWERS

Subscribers are invited to address inquiries to the Editor on problems of management, accounts, stock-keeping, taxation. To ensure that no information of a confidential nature is disclosed to a competitor, replies will be given under initials or a pseudonym. It is necessary to forward documents, copies only and not originals should be sent.

### Validity of Cheque

*"I understand that a post-dated cheque cannot be cashed before the date given. Can an ante-dated cheque, however, be cashed at any time?—M.C."*

A cheque which has been dated ahead of the date of drawing cannot be cashed before the date shown on the cheque, but providing the account upon which it is drawn shows a sufficient balance in favour of the drawer an ante-dated cheque can be cashed within a reasonable period, usually three months.

### Addressing with Stencils

*"We are about to use stencils with our addressing machines, and would like to know the main difference in the stencils in common use."—Speedier.*

Stencils are inserted in the machine, and the cards are pushed on by a turn of the handle. They are easy to use, and as the linking device is semi-automatic the container drum rarely needs filling. The stencil-holder is not always used, as the frame is sometimes large enough to hold the stencil with space for a short line of type.

### Purchasing Routine

*"Our business consists largely of distributing branded products to chemists, doctors and hospitals. We should appreciate help on methods which would simplify our purchasing routine."—M. McN.*

When goods are purchased in the same form in which they are resold, the reordering point is usually governed by the maintenance of stocks at a level sufficient to cover the sales in excess of the period between the giving out of an order and the receipt of the goods. Unless sufficient stocks are carried, deliveries could not be made promptly, and goodwill might be damaged. Deterioration should be taken into consideration, and urgent supplies of some of the smaller sellers bought locally when required.

### Cash Balancing

*"My cash book is ruled with three money columns on the receipts side and eight columns on the payments side, and I like to balance at the end of each day. The debit columns are used for recording cash*

*sales (shop takings), other receipts (including sums paid by credit customers), and the cheques drawn, while the payments are classified for ledger-posting purposes. As I am usually a few shillings short or a few pence over, it would be helpful to know how my cash book should be balanced and the discrepancies dealt with."—Proprietor.*

When there is a discrepancy between the cash book balance and the actual amount of cash in hand, the entries should be checked, and if it is impossible to locate the error an adjustment should be made. For instance, if a small amount of cash is short at the end of the day, the amount should be entered on the payments side of the cash book, with the words "by cash short." This should be extended into the "private drawings" column. When cash is over, an entry is needed on the receipts side of the cash book, giving the date and the words "to cash over."

### Buying a Business

*"Could you indicate the lines along which the investigation of a chemist's business should proceed where an intending buyer has been attracted by an advertisement in which the vendor offers to sell out at an all-in price?—E. E. A."*

Before deciding to buy a business, the vendor's books and accounts should be inspected, special attention being given to items of cash received from outside sources as distinct from business income. The invoices rendered by suppliers will give a good idea of the nature and cost of the trade purchases, and the weekly returns should be examined and analysed. When all matters relating to trade, expenses and profit margins have been investigated, the purchaser should be guided by the vendor's character and any motive he may have for disposing of the business or for failing to keep a proper set of books. If the business carries a lease, a solicitor should be employed to prepare the assignment, and when the valuation has been completed the payment should be made as laid down in the contract. The assets and liabilities taken over should be recorded as a "Purchase of Business Account," the assets being debited in ledger accounts and the liabilities credited.

## THE OUTLOOK FOR PHARMACEUTICAL EDUCATION

By William Cooper, Ph.C. (head of the pharmacy department, Merchant Venturers' Technical College, Bristol)

It is in the highest degree satisfactory to observe the great interest that was evoked by the publication by the Education Committee of the Pharmaceutical Society of their interim and final reports (see *C. & D.*, March 8, p. 284 and April 12, p. 407). Too often, I feel, the reception of such changes has merely exemplified the extraordinary ease with which the many are governed by the few. Nothing will be lost and in fact much will be gained by a full and frank discussion, both in the Council and outside, of all the implications of the proposals. If the discussion is to realise its full value, any tendency to impute selfish motives to fellow-pharmacists who venture to express opinions different from our own should be vigorously excluded, because, in the first place, such suggestions are almost entirely without foundation, and, in the second place, they have a tendency to stifle the discussion by deterring many of the quieter sort of people from putting forward their views.

### Extended Qualifying Course

I think that the extension of the Qualifying course to two years will probably be accepted without much discussion as both necessary and desirable. An examination of the pass lists shows that a majority of the candidates need more than one year's training to reach the required standard on the present syllabus, whilst the demand for post-graduate part-time courses on sterilisation by filtration and aseptic dispensing indicates that many practising pharmacists appreciate the necessity for an overhaul and extension of the training at present available to candidates for the Qualifying examination.

Raising the standard of entrance to that of the University Intermediate examinations is likely to be vigorously contested, because many believe that it will reduce the number of entrants to an extent that will jeopardise the pharmaceutical service and bring about some form of dilution. Those who fear this outcome point out that the present system, with its mixture of trading and professional service, has resulted in the opening of at any rate one pharmacy in even the smallest towns and in some of the larger villages, in a way that purely professional practice could not have done, and

that this valuable service will not be satisfactorily replaced by clinics, which obviously cannot be equally widely extended. This is a perfectly genuine point of view and it is held by many who would clearly gain financially by a reduction in competition. My personal opinion, however, is that the reduction is unlikely to assume serious proportions. Past experience has shown that raising the standard of the entrance examination does reduce the number of entrants for a time, but that the return to normal is not unduly delayed.

The increasing educational facilities will result in a far higher proportion of students remaining at their secondary schools to take the Higher School Certificate examination. Technical schools afford facilities for many others to take the external Intermediate B.Sc. examination of London University, and the demand for places in these classes, already great, is rising rapidly. The young people who reach the required standard by either of these routes will have been able to do so without prematurely deciding exactly what is to be their life's work. That must be a good thing for them and therefore, in the long run, will be a good thing for everyone.

### Recruitment to the Profession

Will a sufficient number of students desire to enter our own profession? I think so. Pharmacy is a very satisfying calling, offering so many opportunities for service along different lines that it should continue to attract the right type of individual in sufficient numbers. Many will become graduates, but I fail to see anything incompatible in the possession of a degree and the running of any decent pharmacy. Those amongst us who like people, bright surroundings, and variety in their work will not necessarily be diverted from it by an extension in the number of years of academic study.

**Drug Stores as Youth Centres.**—A survey of leisure-time activities published by the Luton Youth Council discusses the types of social centres required, and suggests that meeting places of the American drug store type would be highly popular among young people in Britain.



## STUDENTS' VIEWS ON EDUCATIONAL POLICY

by John E. Shinner, Ph.C. (a former president of the British Pharmaceutical Students' Association)

DISSATISFACTION with several aspects of pharmaceutical education was the motive which prompted the formation of the British Pharmaceutical Students' Association in 1943, and for that reason students and recently qualified pharmacists welcome the proposals announced by the Education Committee of the Pharmaceutical Society's Council and due to be put before the meeting of the Branch Representatives at Torquay on September 17, if only at long last the Society has faced the degree-diploma controversy. Years ago it must have been apparent that the Pharmaceutical Chemist qualification would eventually become a mere appendage to the degree. In encouraging registration through the degree the Council has admitted this development. The degree has won the day. In face of the suggested university entrance requirements and university Intermediate, it becomes pointless for the Society to place its diploma in competition with the university degree.

The only suggested reform in the report that is not necessarily logical is the extension of the training for the minimum qualification from a one- to a two-year post-intermediate course. Pharmacists who have qualified since the introduction of zoology and physiology in 1937, since the greatly increased importance placed upon bacteriology and aseptic work from about 1940, and since publication of the seven addenda to the B.P., will agree that something of the sort must be done. The course today is grossly overloaded and scrappy. A four-term, or an eighteen months' course, might alleviate the position, but neither suggestion is workable. A two-year course is, in fact, the only practical solution. Is the change a much greater advance than the introduction of written examinations and compulsory courses of study in 1925? Perhaps, but can pharmacy afford to lag behind whilst other professions and the nation make educational advances? It is no solution to retain the present length of the Chemist and Druggist course by eliminating what has been termed "extraneous material." The inclusion in a curriculum of material which may not appear to be of everyday value is not peculiar to pharmacy. It is, I believe, common to any training that seeks to avoid the production of mere technicians.

### More Than Technicians

It seems, however, unwarranted to assume that many pharmacists are much more than technicians. Xrayser observed (*C. & D.*, March 15, p. 271) that the interim report did not give the pharmacist much credit for his conduct in the past. One can sympathise with his point of view. But whose fault is it that so much sterile dispensing has passed into the hands of the manufacturer and, in particular, that the latter has been called upon to supply sterile distilled water? Why has there been such a commotion over the dispensing of penicillin preparations, and why is contact with local doctors, which can give so much professional satisfaction, so often non-existent? It would be unreasonable to blame all this on to the present C. and D. course. There is always the question of "a little learning . . ." On many occasions I have been struck by the greater professional outlook of the Ph.C. or degree student.

The only aspect of the new proposals which, in my view, is open to question is the establishment of a Fellowship of the Society. If this is not handled with the greatest care, what will it mean? One hopes it will not become, judged as a qualification, so useless as the Society's post qualification diplomas in biochemical and in pharmaceutical analysis.

### Widest Discussion Essential

All will realise the importance of maintaining a satisfactory entry into pharmacy, and will recognise the Council's responsibility in making what are probably irrevocable decisions. For these reasons the widest discussion is essential in the Branches, though not to the extent, in my view, of delaying the dates suggested for the changes.

**Ever-open Door.** — I should like to see some shops selling their wares by night as well as day; and this could be done without anyone's having to work even a quarter of a minute longer than at present. In the same way I should like to see a plan for staggering that, without adding to anybody's work, would keep a certain number of shops open during the afternoon on half-holidays.—Robert Lynd in the "News Chronicle."

## CHEMICAL CONGRESS LECTURES

(Concluded from THE CHEMIST AND DRUGGIST, September 6, p. 291)

**Bacteriostasis by Acridines.**—A. Albert.—Examination of a series of 107 acridine derivatives showed that effective bacteriostasis took place only when the drug was at least 60 per cent. ionised (at 37°C.). By carrying out bacteriostatic tests at various pH values, it was found that the most likely mode of action of the acridine antibacterials was that they compete with hydrogen ions for some essential position on a bacterial surface. The site in question is probably a feebly-ionising acidic group.

**Chemical Depilatories.**—Frank Atkins.—For practical purposes, human hair may be assumed to consist substantially of keratin, which is insoluble in water, acids, alkalis, and organic solvents. The active ingredients of a chemical depilatory must be capable of attacking and reducing this keratin so that it swells and becomes gelatinous, and easily removable by scraping with a spatula. Alkali reducing agents are commonly employed for the purpose. The author discussed questions such as the form the final product should take, suitable perfume, choice of emulsifier, etc.

**Enzymes Combined With Substrates.**—H. N. Rydon.—Differences in the inhibitory activity towards bacteria of isomeric metabolite analogues must arise from differences in their affinity for the bacterial enzyme acting in the normal metabolite. By studying the inhibitory powers of complete series of isomers and correlating the results with the known electronic effects of the substituent groupings it has been found possible, in certain cases, to deduce the nature of the combination between the normal metabolite and the bacterial enzyme of which it is the substrate. Studies of the inhibitory action of the seven isomeric methylindoles on *Salmonella typhi* (Fildes and Rydon, "British Journal of Experimental Pathology," in the press) have led to the conclusion that indole combines with the tryptophane-synthesising enzyme.

**Ammonium Disinfectants.**—Resuggan and Davis.—Long chain quaternary ammonium compounds have been in use as wetting agents and disinfectants for several years, and in general the  $C_{12}$ - $C_{18}$  chains or equivalent groups have been employed to confer the necessary hydrophobic qualities upon the cation. In all cases the hydrophobic chain has conferred considerable foaming power on solutions. By substituting for the single long chain two shorter chains in a

quaternary ammonium compound, ability to form stable foams in all but relatively high concentrations is destroyed. Where suitable chains are used, the compound has considerable bactericidal and wetting powers. Di-*n*-octyldimethylammonium bromide has been prepared and used for industrial sterilising detergency operations in circumstances where it has been found necessary to avoid foam formation. Three patent applications have been lodged.

**Glycerol Muscle-relaxants.**—W. Bradley.—At The British Drug Houses, Ltd., a detailed study has been made of the ethers of glycerol as therapeutic substances because of their low toxicity and ease of preparation. The muscle-relaxing effect of some glycerol ethers is most striking in the relief of spastic contractions, tremors, etc., but it is also readily obtained with normal musculature when the glycerol ethers are given with small doses of anaesthetics. In the author's experience the most successful compound is glycerol  $\alpha$ -*o*-tolyl ether but there is a small group of related ethers, e.g., the *m*- and *p*-tolyl, *o*-allylphenyl, *p*-ethylphenyl, 2-methyl-6-allylphenyl, 4-methyl-2-allylphenyl, *p*-chlorophenyl, -*p*-bromophenyl, 2-bromo-6-propylphenyl, 4-chloro-2-allylphenyl, all of which are effective in smaller degree. The presence of the groupings

$\begin{array}{c} | \qquad \qquad \qquad | \\ -O-CH_2-C.OH-C.OH \end{array}$  appears to be essential to the muscle-relaxing property.

**Thyroxine Formation in Iodinated Proteins.**—Rosalind V. Pitt Rivers.—Harington's theory (1927) that thyroxine is formed in the thyroid by the coupling of two molecules of diiodotyrosine received experimental support from v. Mutzenbecher's demonstration (1939) that aerobic incubation of diiodotyrosine at pH 8 yielded thyroxine. Later, Harington and Pitt Rivers (1945) showed that the optimum pH for thyroxine formation was about 10. During such incubations, 3:5 diiodo-4-hydroxybenzaldehyde and triiodophenol are formed as well as thyroxine, while two carbon atoms of the side-chain of diiodotyrosine are removed as oxalic acid; this indicates that thyroxine and the aldehyde are produced by  $\beta$ -oxidation. The incubation of *N*-acetyl-*l*-diiodotyrosine whose acidic groups are ionised at a much lower pH than those of diiodotyrosine gives greatly increased yields of thyroxine with an optimum at pH 7.



## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

### 28 Essex Street, W.C.2, Sept. 10

PHARMACEUTICAL CHEMICALS prepared from PHENOL and other coal-tar intermediates are showing a firmer tendency and rising production costs are reflected in two price increases announced during the past week. PHENACETIN is now at 6s. per lb., dropping to 5s. for large quantities; PHENOLPH-THALEIN now ranges from 5s. 6d. to 6s. 9d. per lb., according to quantity. The recent advance in BISMUTH METAL has been followed by changes in the rates for the SALTS; prices have now been adjusted according to metal content and in some instances show a reduction in price while others are at a higher level. It is anticipated that those chemicals which are imported from America, already in short supply, will be even more difficult to obtain in the near future.

### Crude Drugs

The London market for BOTANICAL DRUGS has continued rather quiet for many items with little new business done. There has been a good inquiry for AGAR and merchants have disposed of large stocks of South African powder at prices around 20s. per lb. For some time offers of Japanese agar have been made from Hongkong, but dollars were involved and, therefore, no purchases were permitted. Now that the inconvertibility clause is in operation applications from traders for import licences are to be considered. Samples from Hongkong and Korea have been of fair to good quality strip and the c.i.f. values from 14s. 6d. to 18s. per lb. Cape ALOES is a little easier. CANADA BALSAM is in short supply. The forward market for Sumatra BENZOIN is trading easier but spot quotations are little affected at present. CAMPHOR TABLETS have received a good export inquiry. CARDAMOMS are quiet and prices have shaded for spot supplies. CASCARA SAGRADA continues firm. CASCARILLA is a very slow item. No change is shown in IPECACUANHA and prices are fully maintained. LOBELIA has been in demand but little, if any, is available on the spot; new-crop will be in the region of 4s., duty paid. Brazil MENTHOL is easier forward but the spot value is unchanged. SENEGA remains firm with very few offers of new-crop root. SHELLAC is a stronger market. BEESWAX is nominal on the spot.

### Essential Oils

Few changes are shown in quotations for ESSENTIAL OILS but the market generally is easy and prices are often a matter for negotiation. CASSIA and CINNAMON LEAF have been quoted slightly lower. GERANIUM is tending firmer at origin but LEMON-GRASS forward has declined appreciably.

### Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	September 10
*Alexandria ...	Piastres to £	97½-97½
Amsterdam ...	Florins to £	10.68-10.70
*Bombay ...	Pence to rupees	1-5½-1-6½
Brussels ...	Francs to £	176½-176½
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.58-7.62
*Hong Kong ...	Pence to \$	1-2½-1-3½
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02½-4.03½
New York ...	Dollars to £	4.02½-4.03½
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Rio de Janeiro ...	Cruz to £	75.39-48
*Singapore ...	Pence to \$	2-4½-2-4½
Stockholm ...	Kronor to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

\* Free market rates.

### U.S. Drug and Chemical Report

New York, September 5

PRODUCTION of DDT in the U.S. in increasing at a rapid rate. Output in June was 5,320,221 lb. compared with 4,967,831 lb. in May, the next highest month's production. There is a sellers' market for almost all of the chemicals in the COAL-TAR GROUP with CRESYLIC ACID particularly short due to a continuing low level of imports. Advances in the prices of ATROPINE and ATROPINE SULPHATE and a reduction in the quotation for STREPTOMYCIN featured the FINE CHEMICALS market here last week. Atropine and atropine sulphate quotations were increased by 15 cents, bringing the new quotations to \$10.80-\$12.00 and \$8.90-\$9.85 respectively per oz. The price of streptomycin to hospitals is reduced by 60 cents a gm. to \$3.40. U.S. METHANOL supplies are expected to be sufficient to meet demands next year. Five new plants are under construction and are to commence production during 1948, increasing capacity to about 136 million gall. Output of ACETIC ANHYDRIDE declined in June.

There was slightly more activity on the market for BOTANICAL DRUGS and SPICES last week, although seasonal sluggishness continued in many products. Price advances and reductions were noted in almost all sections. The recent lifting of import restrictions on CINCHONA is expected to bring about a considerable improvement in supplies within the next two months. Demand for ESSENTIAL OILS was reported light although dealers are expecting a sharp increase in trade as flavouring manufacturers and perfumers stock up for autumn and winter requirements.

## Pharmaceutical Chemicals

**ACETANILIDE.**—Firm. Makers' quotations for 1-cwt. lots in kegs are at 2s. 6d. per lb. for crystals and 2s. 7d. per lb. for powder.

**AMIDOPYRINE.**—Supplies are low. Quotations are held at from 53s. to 63s. per lb., according to quantity.

**BARBITONE.**—Quotations range from 45s. to 50s. per lb., according to quantity. SOLUBLE is available at the same prices.

**BIARIUM SULPHATE, B.P. (x-ray).**—Current rates per lb. (containers in brackets), for quantities between 28 lb. and 1 cwt., are as follows: 1s. 8d. (1-lb.), 1s. 7d. (2-lb.), 1s. 6½d. (4-lb.), 1s. 5½d. (7-lb.), 1s. 5d. (14-lb.), 1s. 4d. (28-lb.).

**BISMUTH SALTS.**—Makers have adjusted their prices and the new rates per lb. for 1-cwt. lots are as follows: CARBONATE, 14s. 10d.; CITRATE, 12s. 6d.; SUBNITRATE and SALICYLATE, 12s. 9d.; SUBGALLATE, 15s. 9d.

**a-BROMISOVALERYLUREA.**—Quotations are from 47s. 6d. to 50s. per lb., according to quantity.

**CREOSOTE.**—B.P. quality, ex beechwood, quoted at from 7s. 6d. per lb. upwards.

**CRESOL.**—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' premises.

**ISOPROPYL ALCOHOL.**—B.P.C. quality is quoted at 13s. 9d. per gall.

**LACTATES.**—Makers' quotations per lb. are as follows: CALCIUM, 2s. 3d. to 2s. 9d.; CALCIUM SODIUM, 3s. 3d. to 3s. 9d.; LACTIC ACID, 3s. to 3s. 3d.

**METHYLTHIONINE CHLORIDE.**—Quotations are from 8s. 6d. to 10s. per lb., according to quantity.

**PANCREATIN.**—Price of B.P. material is from 13s. 6d. upwards, as to quantity.

**PARALDEHYDE.**—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 1 carboy, 1s. 6d.; 24 Winchester quarts, 1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

**PHENACETIN.**—Higher prices are asked ranging from 5s. to 6s. per lb., according to quantity.

**PHENOBARBITONE.**—Quotations for the acid and the sodium salt are from 37s. 6d. to 40s. per lb., as to quantity.

**PHENOL.**—Maximum price for crystals in the home market, in 1-ton lots, packed in drums (returnable), is 11d. per lb., delivered.

**PHENOLPHTHALEIN.**—Manufacturers have advanced their selling prices. Rates per lb. are as follows: 1-cwt. lots, 6s. 1d.; 28-lb., 6s. 3d.; 14-lb. 6s. 6d.; 7-lb., 6s. 9d.

**STEARATES.**—Current rates per cwt., in 1-cwt. lots, are as follows: ALUMINIUM, 235s. 6d.; CALCIUM, 217s. 6d.; MAGNESIUM, 237s. 6d.; LEAD, 240s. 6d.; ZINC, 222s. 6d. 5-cwt. lots are 2s. 6d. per cwt. less, and 1-ton lots 7s. 6d. less per cwt. than above prices. Carriage paid in the U.K.; packing free.

## Crude Drugs

**ACONITE.**—Spot quotations are from 37s. to 380s. per cwt.

**ALOE.**—*Cape* is easier at 180s. per cwt spot; shipment, 147s. 6d. to 150s., c.i.f.; Curaçao in boxes, is quoted at 235s., spot forward, 215s. to 220s., c.i.f. Socotrine is quoted at 156s. to 190s. per cwt., according to quality.

**ANTIMONY.**—Current rates are as follows: 99.6 per cent. regulus, £190 per ton delivered; 99 per cent., £180; 70 per cent. crude, £150.

**ANISE (STAR).**—Spot quotations are at 130s. per cwt.; forward, 95s., c.i.f.

**ARECA NUTS.**—Continues quiet. Ceylon is offered at 65s. to 67s. 6d. per cwt.

**ASAETIDA.**—Spot supplies of block are quoted at £25 to £28 per cwt., according to quality and seller.

**BALSAMS.**—*Canada*, in short supply, is quoted at 16s. 6d. per lb., spot. *Pará Copaiba*, spot, is quoted at 8s. per lb., for soluble and 7s. 3d. per lb. for insoluble. *Peru*, San Salvador, is easier at 7s. per lb., duty paid. *Tolu*, on the spot, 18s. per lb.

**BAY LEAVES.**—Spot. Leaves without stems, 90s. to 100s. per cwt., duty paid, quoted.

**BELLADONNA.**—Root with a test of 0.5 per cent. alkaloids is quoted at 6s. per lb. spot; English herb (cut) is available at 6s.

**BENZOIN.**—Sumatra is quoted at from £17 10s. to £21 per cwt., spot, as to quality; forward market is tending easier.

**BISMUTH.**—Current price of high-grade metal is 11s. per lb. for quantities of 5 cwt.

**BUCHU.**—Spot quotations for short rounds are around 4s. 3d. per lb.; shipment, 4s., c.i.f.

**CALABAR BEANS.**—Quotations are at 10½d. per lb., ex warehouse, Liverpool.

**CALUMBA.**—Natural unwashed root is quoted at 65s. per cwt.

**CAMPHOR.**—Chinese tablets (¼-oz.), quoted at 11s. 3d. to 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa (B.B.), 10s.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude, 93-95 per cent. 7s. per lb.

**CANTHARIDES.**—Spot, Chinese is quoted at 15s. to 16s. per lb., duty paid, according to quantity; for shipment, 7s. 9d., c.i.f.

**CAPSIUMS.**—East African, spot, steady at 120s. to 140s. per cwt., according to quality.

**CARDAMOMS.**—Mangalore, half-bleached, A's, are quoted at 8s. 3d. per lb.; B's, 7s. 9d. per lb.; seeds, 7s. (nominal), spot. Aleppy seeds, No. 1, offered at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

**CASCARA SAGRADA.**—Continues firm. Spot quotations for 1946 peel are at 260s. per cwt., duty paid. American new-crop is worth 250s. to 255s. per cwt., duty paid.



CASCARILLA. — Quills are quoted at s. 10d. and siftings at 1s. 6d. per lb., spot.  
 CASSIA PODS (*C. fistula*). — East Indian, quoted at 75s. to 80s. per cwt., ex wharf.

CHAMOMILES. — Belgian old-crop flowers are quoted at 7s. 6d. to 9s. 6d. per lb., spot, according to quality and seller.

CHAULMOOGRA. — *Hydnocarpus*, in tins in cases, is quoted at 1s. 11d. per lb., spot.

CHILLIES. — Quiet. Mombasa, quoted at 30s. per cwt., spot; Nigerian, 135s., spot; Japanese-type, 190s. to 200s.

CINNAMON. — Quiet. Quillings are quoted at 2s. 1½d. to 2s. 2d. per lb., spot; gatherings, 1s. 6d. to 1s. 9d.; chips, 1s. to s. 1d., according to quality.

CLOVES. — Zanzibar, quoted at 9½d. per lb., spot. Penang, offered at 3s. to 3s. 6d.

COCHINEAL. — Silver greys, quoted at s. 3d. to 4s. 6d. per lb., spot; blacks, 5s. 6d.

COLOCYNTH. — Quiet. Spot, fine-white is offered at 2s. and medium-white quoted at about 1s. 10½d. per lb.

GENTIAN. — French natural root, on the spot, is quoted at 100s.; cut, 130s. per cwt.

GINGER. — Jamaica No. 1 is quoted at 110s. per cwt., spot; No. 2 is quoted at 95s.; No. 3, 90s. Sierra Leone, on the spot, is at 67s. 6d.

GUAIACUM RESIN. — Quotations for lump are from 2s. 9d. to 3s. per lb., spot.

GUM ACACIA. — Kordofan cleaned sorts quoted 71s. 6d. to 73s. per cwt., ex store; shipment 67s., c.i.f. Bleached No. 1 is quoted at 140s., ex store, and Talha at 41s. 6d. per cwt., spot; forward, 37s., c.i.f.

GUM MASTIC. — No. 1 is offered on the spot at 14s. per lb., duty paid.

HELLEBORE. — Spot quotations are at 3s. per lb., duty paid.

HENBANE. — Quotations are at 4s. 6d. per lb., spot.

HENNA. — Egyptian leaves are offered at 135s. per cwt., ex warehouse.

HYDRASTIS. — Firm. Spot quotations are at around 60s. per lb.

IPECACUANHA. — Firm. Nicaraguan root on the spot is quoted at 28s. to 28s. 6d. per lb.; shipment, September-October, 26s., c.i.f. Colombian, spot, 27s. 6d.; shipment, 24s. 6d., c.i.f.

IRISH MOSS. — French material, finest-quality bleached, quoted at 120s. per cwt., spot; No. 1, 105s.; No. 2, 95s. per cwt.

JALAP. — Vera Cruz, spot offered at prices from 4s. to 4s. 6d. per lb., according to test.

JUNIPER. — Italian berries, quoted at from 56s. to 65s. per cwt., duty paid, according to quality.

KARAYA. — No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

KOLA NUTS. — Steady. African quarters are quoted at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

LAVENDER FLOWERS. — Spot quotations are from 2s. 3d. to 4s. 6d. per lb., according to quality.

LIQUORICE ROOT. — Anatolian whole root is quoted at 52s. 6d. per cwt., spot. Turkish juice (block) is quoted at 250s. per cwt., duty paid; shipment, 225s. c.i.f. Italian block for shipment, 250s., c.i.f.

LOBELIA. — Nominal quotation is 6s. per lb. New-crop is not yet available.

MACE. — West Indian, on the spot, is quoted at 7s. per lb.

MALE FERN. — Jugo-Slav is quoted at £85 per ton, spot.

MENTHOL. — Brazil continues firm on the spot at 47s. 6d. to 50s. per lb., duty paid; forward offers from 41s. to 43s., c.i.f. Chinese, in original cases, is quoted at 52s. 6d. per lb., duty paid; forward quotations are around 60s. per lb., c.i.f.

NUTMEGS. — West Indian 80's are steady on the spot at 2s. 9d. per lb.; unassorted, 2s. 3d. per lb.

OLIBANUM. — Fair to good drop is quoted from 200s. to 240s. per cwt.; pea size, 220s.; good garblings, 180s.; seeds, 175s.; siftings, 110s.

ORANGE PEEL. — Spot quotations for Spanish quarters are at 1s. 6d. per lb.; sweet ribbon is quoted at 1s. 9d. per lb. Bitter ribbon, 1s. 3d. per lb., spot Liverpool.

ORRIS. — Florentine, on the spot, is quoted at prices from 150s. to 200s. per cwt., according to holder; Veronese, 135s. per cwt.

PAPAIN. — East African on the spot is quoted at 33s. per lb.

PIMENTO. — Steady. Spot quotations are at 1s. 2d. per lb.; to arrive, 119s. per cwt., c.i.f.

PSYLLIUM SEED. — Black, on the spot, is quoted at prices from 2s. 3d. to 2s. 6d. per lb.; pink seed (Isphaghula) is quoted at 1s. 5d.

QUASSIA. — Chips, shipment, quoted at 34s. per cwt., c.i.f.; September-October is quoted at 32s., c.i.f.; spot supplies would be worth 40s. to 45s.

QUILLAIA. — Natural bark, spot, can be bought at 115s. per cwt.; cut, for future delivery is available at 135s. per cwt.

QUINCE SEEDS. — Cape, on the spot, is quoted at 6s. per lb.

RHATANY. — Steady. Quoted at 11d. per lb., spot.

SANDARAC. — Quotations are at 5s. 9d. per lb., ex store London.

SEEDS. — ANISE. — Cyprus, 2s. 3d. per lb., and Turkish 2s. 1d. per lb., duty paid, spot London or Liverpool. CARAWAY. — Dutch offered at 1s. per lb., duty paid, ex wharf London; new-crop for September delivery, 1s. 1d. per lb., landed, duty paid. CELERY.

— Indian, 1s. 4d. per lb., spot Liverpool. CORIANDER. — Spot, Morocco sold at 42s. 6d. per cwt., duty paid, ex wharf London;

Argentine, 41s. 6d. per cwt., duty paid, ex wharf London; Indian in Liverpool quoted at 40s. per cwt. CUMIN.—Spot, Indian, 230s. per cwt., ex wharf Liverpool or Hull; Cyprus, 232s. 6d. per cwt. offered in London. DILL.—Indian, 42s. per cwt., spot London and 41s. ex wharf Liverpool. FENNEL.—Indian, 90s. per cwt., spot London and 85s. to 87s. 6d. per cwt., ex wharf Liverpool. FENUGREEK.—Indian, 45s. per cwt., in Liverpool and 46s. per cwt. spot London.

SENEGA.—Spot quotations for old-crop material are from 12s. 6d. to 13s. 6d. per lb. New-crop, 12s. 3d., c.i.f., nominal.

SENNA.—Steady. Tinnevely leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 9d.; No. 4, 8½d. per lb. Tinnevely pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. Market prices in India are tending dearer for both leaves and pods. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

SQUILL.—A fair inquiry has been received and quotations are lower at 65s. per cwt., spot.

STRAMONIUM.—Indian leaf is steady at 75s. per cwt., on the spot; Hungarian leaf, 115s., spot.

STROPHANTHUS.—In little request; Kombé seed, 100 per cent., quoted at 9s. 6d. per lb.

STYRAX.—Quoted at 5s. per lb., duty paid.

TAMARINDS.—Barbadoes is steady at 50s. per cwt., in bond.

TONKA BEANS.—Frosted Pará is quoted at 4s. 9d. per lb., spot.

TRAGACANTH.—Selected ribbon is quoted at £150 per cwt.; other grades of white ribbon are available at from £75 to £120 per cwt. Prices of lower grades are as follows: Pale leaf, £50 to £70; amber leaf, £35 to £45; red leaf, £17 to £25; hoggy, £12 to £15.

TURMERIC.—Madras finger is quoted at 105s. per cwt., spot Liverpool or London.

VALERIAN.—Belgian root is at 190s. to 220s. per cwt., according to holder.

WAXES.—BEES', Dar-es-Salaam c.i.f. quotation, 345s. per cwt., nominal; Lindi, 340s., c.i.f., nominal; Benguela, September-October shipment, 312s. 6d., c.i.f., sellers' licence. CANDELLA.—Spot quotation, 425s. per cwt.; shipment, 380s., c.i.f. CARNAUBA.—Fatty grey, 620s. per cwt., spot; affloat, 545s., c.i.f.; September-October shipment, 510s., c.i.f. Prime yellow is quoted at 800s., spot; shipment, 725s., c.i.f.

MONTAN.—Reibek is quoted at 390s. per cwt., spot; Czechoslovak crude, 335s., spot. OURICURI.—9 per cent., 365s. per cwt., spot; 5 per cent. shipment, 335s., c.i.f.; 2 per cent. for shipment, 355s., c.i.f.

WILD CHERRY BARK.—Thin natural, on the spot, is quoted at 1s. 6d. per lb., duty paid.

## Essential and Expressed Oils

ANISEED OIL.—Spot quotations are for 5s. 6d. to 8s. per lb., according to packing September-October shipment, 3s. 10d. to 4s. 3d. landed; re-sellers', 3s. 8d. to 3s. 10d.

CADE.—Spot quotations are at from 4s. to 5s. 6d. per lb., according to quantity.

CANANGA.—Java oil is quoted at from 35s. to 40s. per lb., spot.

CASSIA.—Spot quotations are from 15s. 9d. to 17s. per lb., as to quantity.

CASTOR.—Controlled prices are unchanged: Firsts, £180 per ton; seconds £176, naked ex works.

CINNAMON.—Imported oil (factitious) complying with B.P. requirements is offered at 80s. to 90s. per lb., spot. English-distilled oil from Ceylon bark is quoted at 24s. per oz. Leaf oil, spot, quoted at 11s. to 13s. per lb.

GERANIUM.—Bourbon is steady at from 70s. to 77s. 6d. per lb., according to quantity and grade.

GINGER.—Quotations range from 75s. to 125s. per lb., according to quality and seller.

GUAIACWOOD.—Quoted at 16s. to 19s. per lb., spot, according to quantity and seller.

LAVANDIN.—Spot quotations are from 11s. 6d. to 13s. 6d. per lb.

LAVERDER.—French (38 to 40 per cent. esters) is quoted from 40s. to 45s. per lb. Spanish (spike), 10s. 6d. to 11s. 6d. per lb., spot.

OLIVE.—The price of edible, 1 per cent., to wholesalers is 51s. per gall. of 9 lb., in drums, ex store. Wholesalers' prices to retailers are as follows: In gall. loan cans, 58s. 9d. per gall.; in ½ gall., 59s. 6d.; in quart loan containers, 60s. 4d. and in pint containers, 61s. 4d. per gall., all delivered.

ORIGANUM.—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

PALMAROSA.—Spot quotations are at from 32s. 6d. to 37s. 6d. per lb., according to seller and quantity.

PATCHOULI.—Seychelles, spot, quoted at 70s. to 80s.; to come forward, 60s. per lb.

PENNYROYAL.—Spot, 23s. to 25s. per lb. quoted.

PIMENTO BERRY.—English-distilled oil is quoted at 47s. 6d. to 57s. 6d. per lb. and upwards, according to quantity and seller.

SANDALWOOD.—English-distilled is quoted at 85s. to 90s. per lb., according to quantity.

SASSAFRAS.—Brazil is at 5s. 6d. to 7s. per lb., spot, according to quantity.

THYME.—Red oil (40-42 per cent. phenols) is at 13s. 6d. to 16s. per lb.; white oil is quoted at 17s. to 18s. 6d. per lb., spot.

VETIVERT.—Java is quoted at 135s. per lb., on the spot; Bourbon is at 180s.

YLANG YLANG.—Réunion No. 1 quality is quoted at 90s. per lb.; No. 2, 50s.; No. 3, 35s.



## OVERSEAS TRADE NEWS

**Danish Imports from Britain.**—The Danish Director of Goods is shortly to grant import licences for goods, including chemicals, from Britain to a total value of 5,000,000 kronor.

**German Equipment for Czechoslovakia.**—Czechoslovakia is to receive from Germany complete equipment for the production of chemical dyes. This is part of the equipment of twenty-six factories in Germany to be allocated by the Inter-Allied Reparations Commission in Brussels.

**Penicillin for Russian Zone.**—Some 150,000,000 units of penicillin from the U.S. are now being distributed to hospitals in the Russian zone of Germany by the International Red Cross. Poland also has ordered large quantities of penicillin and of streptomycin for use in hospitals.

**German Plant for Britain.**—Details of German industrial plant valued at about £675,000 allocated to Britain as reparations were given in a statement issued recently from the Inter-Allied Reparation Agency in Brussels, including a chemical and physical laboratory from the Dusseldorf plant of Haniel & Lueg.

**Ceylon's Imports Cut.**—Ceylon has cancelled import licences for over fifty classes of goods, including soaps and cosmetics, in order to save dollars. The cancellation will affect goods from the United States, Canada, Newfoundland, and all countries of Central and South America, excluding the Argentine and Brazil, as well as Switzerland.

**Penicillin Chewing Gum Developed.**—A new process for making penicillin in chewing gum form under conditions acceptable to the U.S. Food and Drug Administration has been announced by a New York manufacturer. It is expected that the gum will be available in retail stores in about six months' time, on a doctor's prescription. Sulphonamide gum has been on sale in the U.S. for some time.

**Australian Imports Ban.**—The Australian Ministry of Trade has announced a long list of products for which no further licences will be issued for import from the dollar area. The banned products include preparations for making cosmetics, rubber gloves, spectacles and spectacle frames. Imports to be continued on a limited scale include raw materials for the drug industry, unrefined fish oils, thermometers, cameras and photo-flash lamps.

**Austrian Penicillin.**—Large-scale production of penicillin in Austria is to be started in the autumn. The exact date will depend on whether and when the Austrian National Bank will make available 40,000 schillings in foreign currency, needed to purchase the necessary equipment in France. Production of penicillin in Austria is at present in the hands of an Innsbruck company largely owned by the Austrian Brewery Co. It is understood that a total of about 5,000,000 schillings so far have been invested in the industry.

**Spanish Olive Oil Export Procedure.**—Competent oil circles in Madrid report that the Spanish Ministry of Industry and Commerce will simplify the export procedure of olive oil in order to achieve better prices. Hitherto, olive oil could be exported on a barter basis at a minimum price of \$160. Free exports of oil in tins was later permitted at \$220 per 100 kilos. Free exports of olive oil will now be authorised, preferably in tins, at prices above \$160 per 100 kilos. No sales at prices below this will be permitted. The export of between five and six thousand tons is foreseen before the end of 1947.

**Industrialisation of Ceylon.**—Ceylon, though traditionally a principal producer of tea and other primary products, has entered the post-war period fully convinced of the necessity for industrialisation in order to bring about a greater balance in the country's economy. Chief industries to be developed include chemicals and pharmaceutical products. The development of chemicals production is a basic requirement, not only in view of the predominant position of fertilisers in Ceylon's consumption of chemical products, but also in terms of the proposed expansion of the textile, glass, paper and soap industries. The Government proposes to establish synthetic ammonia and sulphuric acid plants capable of meeting Ceylon's total requirements of ammonium sulphate, now averaging almost 28,000 tons annually in addition to supplying other industries with sulphuric acid. Sulphur requirements would have to be obtained from foreign sources, but this dependence upon imports would not prejudice the development of the industry. Domestic production of drugs and pharmaceutical chemicals is confined largely to shark-liver oil, caffeine, strychnine, pyrethrum and cinchona alkaloids in Government factories.

## TRADE MARKS

(From "The Trade Marks Journal," August 20)

- "UMALOGEN"; for dyestuffs (not for toilet purposes) (2). By Durand & Huguenin Société Anonyme, Fabrickstrasse 40, Basle, Switzerland. 648,295.
- "OCTAL"; for shampoos (3). By Simmonds Products, Ltd., Treforest Trading Estate, near Pontypridd, Glam. 646,202.
- "PIERRE DUNE, PARFUMEUR" below device of a page holding perfume bottle; for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatories, toilet articles (not included in other classes), hair-waving sachets, soap, essential oils (3). By Pierre Dune, 49 rue de Prony, Paris. 647,228.
- "THIOVANIC"; for toilet preparations (not medicated) containing sulphur compounds; and "THIOVANOL"; for hair-waving preparations and depilatory preparations, all containing sulphur compounds (3). By Evans Chemicals, Ltd., 3 Warwick Road, Elstree Way, Boreham Wood, Herts. 646,942, 647,021 (Associated).
- "VALDERMA"; for soaps, perfumes, essential oils for the skin, cosmetics, hair lotions, shampoos and dentifrices (3); for pharmaceutical, veterinary and sanitary substances and disinfectants, all for application to the skin, and material for bandaging (5). By Dae Health Laboratories, Ltd., 17 Berners Street, London, W.1. 647,254-55 (Associated).
- "PENTABOR"; for soap and washing compounds (3) and pharmaceutical preparations and substances (5). By Borax Consolidated, Ltd., Northgate House, 20-24 Moorgate, London, E.C.2. 647,396-97 (Associated).
- "GOLD BROCADE"; for perfume, powder, face creams, bath salts, lotions, complexion milk, and glycerin and rosewater, all being non-medicated toilet preparations, cosmetic preparations for the face and legs, toilet preparations for the hair, toilet soap, bay rum, lipsticks and non-saponaceous shampoos (3). By Delavelle (G.B.), Ltd., 38-46 Orsman Road, Kingsland Road, London, N.1. 647,931.
- "BLUE BOY"; for non-saponaceous and non-medicated toilet preparations, cosmetics, perfumes, essential oils and dentifrices. "PENSEE D'AMOUR" and "PLAISIR D'AMOUR"; for soaps, perfumes, essential oils, toilet preparations (not medicated), cosmetics and dentifrices (3). By James Scott St. Barbe Baker, 41 Boleyn Road, London, N.16. 647,973, 647,978-79 (Associated).
- "CENTRE COURT"; for non-saponaceous setting lotions and shampoos, non-saponaceous and non-medicated face creams, non-medicated face powders, lipstick and nail varnish (3). By Geoffrey William Scaddan, 3 Garth Road, Didcot, Berks. 647,995.
- "KHASANA" and letter "K" incorporated in design (letter "K" disclaimed); for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatories, toilet articles (not included in other classes), hair-waving sachets, soap, essential oils (3). By R. Hovenden & Sons, Ltd., 29-33 Berners Street, London, W.1. 648,267 (Associated).

- "CRYSTACRIN"; for hair pomade (3). By Vine's 222-224 Harrow Road, London, W.2. 648,495
- "MALIQUEA"; for perfumes, toilet preparations (not medicated), cosmetics, hair lotions and creams (3). By Maliquea Perfumery Co., 17A St John's Road, Sparkhill, Birmingham. 648,875.
- "SUPERSTITION"; for toilet preparations (not medicated), cosmetics, perfumes and perfumed soaps; and "TABU"; for toilet preparations (not medicated), cosmetics and perfumes (3). By Financiera de Perfumeria S.A., Avenida A20, Panama City, Panama. 649,123 and 649,125 (Associated).
- "HYDRALOX" and "HYDRACAR"; for abrasive preparations for grinding and polishing (3). By The Carborundum Co., Ltd., Trafford Park, Manchester, 17. 649,138-39 (Associated).
- "TILSA"; pharmaceutical preparations and substances (5). By Sale, Tilney & Co., Ltd., 3 Lloyds Avenue, London, E.C.3. 648,098.

## COMING EVENTS

### Wednesday, September 17

LONDON AND SOUTH-EASTERN COUNTIES SECTION, ROYAL INSTITUTE OF CHEMISTRY, Mansion House, 26 Portland Place, London, W.1, at 7.30 p.m. Meeting.

### British Pharmaceutical Conference, Torquay

#### Monday, September 15

8.30 p.m.—Civic Reception by mayor of Torquay, followed by dance.

#### Tuesday, September 16

10 a.m.—Opening session, Marine Spa. Chairman's address.

11.30 a.m.—Science session, Marine Spa.

11.30 a.m.—Ladies' excursion.

1 p.m.—Luncheon at Town Hall.

2.30 p.m.—Science session.

4.45 p.m.—Garden party at Torre Abbey.

8.30 p.m.—Visit to Pavilion Theatre, Torquay.

#### Wednesday, September 17

10 a.m.—Science session.

10 a.m.—Branch Representatives' meeting.

10 a.m.—Ladies' shopping morning.

12.30 p.m.—Official conference photograph.

1 p.m.—Luncheon at Town Hall.

2.30 p.m.—Science session.

2.30 p.m.—Branch Representatives' meeting.

2.30 p.m.—Ladies' excursion.

8.30 p.m.—2 a.m.—Conference ball in Town Hall.

#### Thursday, September 18

10 a.m.—Symposium session.

10 a.m.—Ladies' excursion.

1 p.m.—Luncheon at Town Hall.

2.30 p.m.—Conference excursion.

#### Friday, September 19

10 a.m.—Closing session.

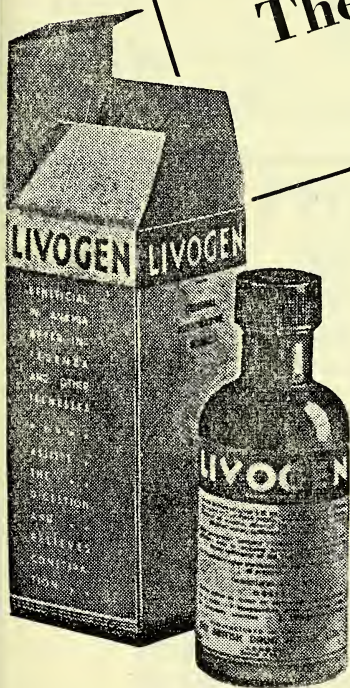
WIGAN BRANCH, PHARMACEUTICAL SOCIETY, is holding its second annual dinner at The Mayoral Chambers, Wigan, on Wednesday, October 8. Application for tickets (price £1 is. each) should be made to Mr. J. B. Morris, 272 Wigan Road, Bryn (for Wigan members) or to Mr. P. A. White, 56 North Street, St. Helens (for St. Helens members).



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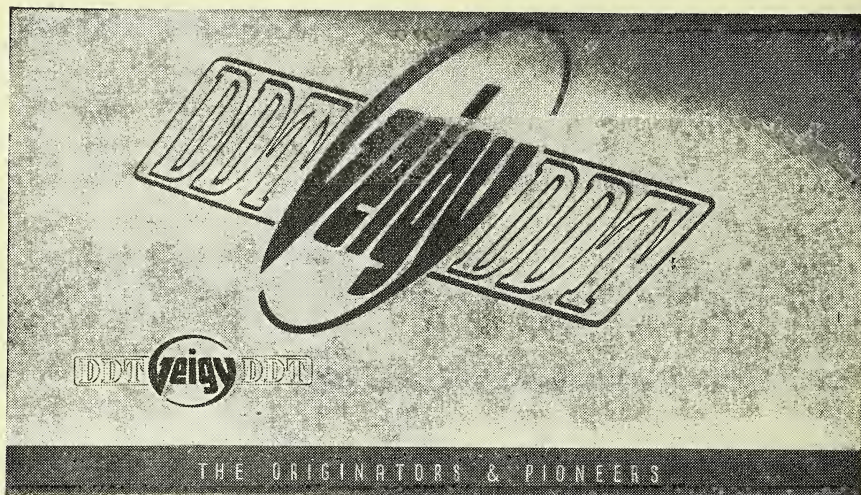
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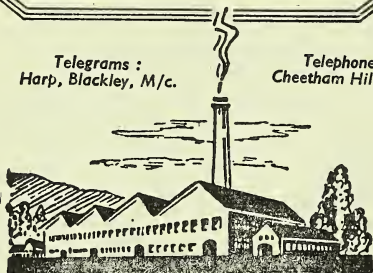
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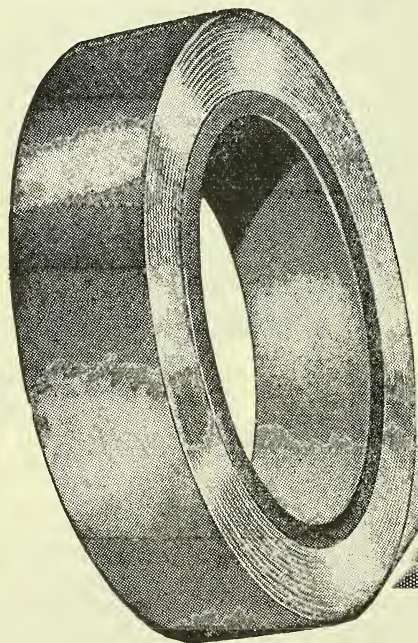
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## STERLING

VOLUME

Page 83

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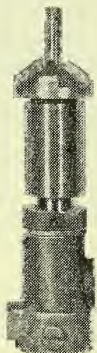
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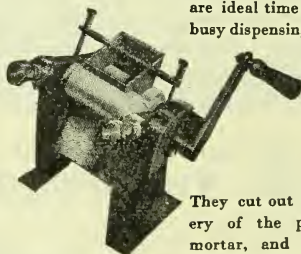
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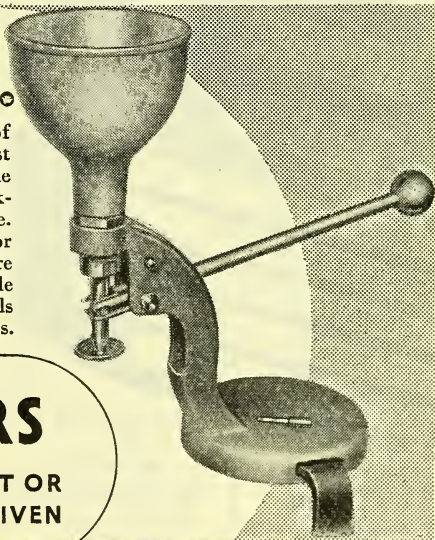
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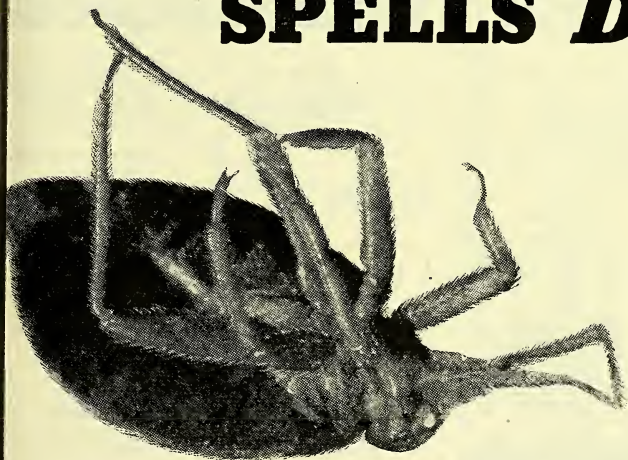
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Feet Plaisters & Powders. This popular remedy gains new sales successes weekly. Wide-spread advertising assures constant demand. Have you got stocks?

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Union House, Leeds, 2

**F. SCHUTZE & CO., LTD.**  
ESTABLISHED 1882  
For "MASTER" BRAND SURGICAL TRUSSES  
SUSPENSORY BANDAGES  
JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA  
or SILK, plain or fancy, wide range of designs.  
Own bottles wickered at moderate cost

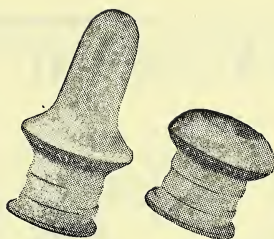
**Black Bull Works, Market Road,  
London, N.7**



# Ingram's "Omega" TEAT & VALVE

REG. NOS. 841964, 841968

Made by a special process which gives long life and produces a Teat with a perfect flow. The shape ensures a tight grip of the bottle.



**PATA**

## Other Ingram specialities

"ATALANTA" Air Cushions

"OMEGA" Breast Relievers

"PERFEX" & "SATINETTA" Enemas

## J. G. INGRAM & SON, LTD.

*The London India Rubber Works, HACKNEY WICK, E.9.*

## the blade with THE PERFECT EDGE



PACKARD BLADES  
fit all three-hole and  
slotted holders.

Substantial supplies for export  
are now available. Particulars  
can be had by applying to:

**STEEL PRODUCTS LTD.  
CARLOW,  
EIRE**

Telephone: Carlow 88

Telegrams: Steel, Carlow

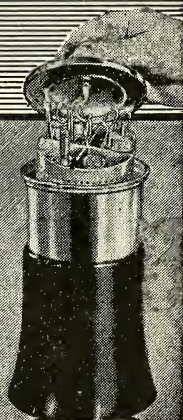


★ Electric and  
Non-Electric  
Sterilizers.

★ Hypodermic  
and Serum  
Syringes.

★ Spirit Proof  
Plastic Syringe  
Cases.

Obtainable through all  
Dealers and Retailers  
Write for Descriptive  
Leaflets



*'Surqualet'  
the most modern  
Electric Sterilizer*

MANUFACTURED BY

## Surgical Equipment Supplies Ltd

WESTFIELDS ROAD, LONDON, W.3.

# PLANNED PARENTHOOD



1. Spermicidally efficient and clean in application.
2. Non-irritant and harmless to health.
3. Does not upset the vaginal pH value.
4. Free from fatty substances.
5. Keeps perfectly in tropical climates.
6. Prescribed extensively by the Medical Profession.

## GYNOMIN

TRADE MARK Regd. No. UK 40912

*The Scientifically balanced  
antiseptic and deodorant contraceptive.*

RETAILS AT  
**3/6**  
PER TUBE  
OF 12 TABLETS

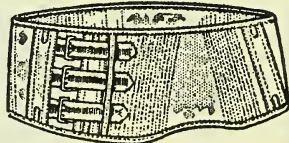
KEEP ADEQUATE STOCKS  
OBTAINABLE THROUGH YOUR WHOLESALER  
ETHICAL LITERATURE AND DISPLAY MATERIAL

OUR PUBLICITY  
WILL BRING NEW  
CUSTOMERS TO  
YOUR PHARMACY

COATES & COOPER LTD., NORTHWOOD, MIDDLESEX, ENGLAND

# HEWARDS

Gentlemen's Belts



ORDER THROUGH  
YOUR  
WHOLESALER

Particulars of the Belt illustrated here or of any others from the extensive and comprehensive range of appliances made by Hewards will be gladly forwarded on receipt of a postcard.

**The R. H. Heward Co.**

CROWN ROAD WORKS  
TWICKENHAM

Phone:  
POPESGROVE 2243/4

Grams:  
BELTRUSS, TWICKENHAM

W.C.

## LABELS OF DISTINCTION

For Wholesale Manufacturing  
& Retail Chemists

MEDICAL and DISPENSING  
LABELS, TOILET, COSMETIC and  
PERFUME, large range of STOCK  
LABELS (attractive two-colour 50-  
60 wordings), SHAMPOO POWDER  
ENVELOPES and INNERS, also  
SACCHARINE TABLET ENVEL-  
OPES, with name and address. We  
can also offer multi-coloured advertis-  
ing stamps in exclusive designs.

Send for our  
extensive sample  
range

## CARILLON PRESS LTD

Artists in the Production of Fine Labels  
**BOURNEMOUTH**





# SURGICAL DRESSINGS

*Lints · Bandages  
Plaster Muslin · Cotton Wool  
Maternity Pads · Gauze*

## CARUS

OF DARWEN

HODDLES DEN MILL · ATLANTIC MILL · HAMPDEN MILL · SPOTLAND BRIDGE MILL



Space Reserved for Kershaw  
Advertising as soon as present  
orders have been executed.

*Outstanding Specialities*  
*of*  
**CLINICAL PRODUCTS LTD**

**MENOPAX  
TABLETS**

Offer a causal and symptomatic therapy for the relief of both the objective and subjective complaints of the Menopause. Supported by National advertising in the medical, provincial and women's press, the sales of "Menopax" approach four million tablets a month to meet prescription and public demand.

**MENOPAX  
ANTIPRURITIC CREAM**

This preparation combines local oestrogen therapy with prompt and prolonged local anaesthesia of the affected surfaces, thus providing a causal and symptomatic treatment of menopausal pruritus vulvæ and related conditions. Consistently advertised in medical journals.

**ISOBROM A NON-TOXIC SEDATIVE AND MILD HYPNOTIC**

Less potent than chloral or the barbiturates, but more reliable than the bromides, "Isobrom" induces quiet sleep without preliminary excitement. Not habit-forming. No after-effects.

**MENOVO For the relief of SPASTIC DYSMENORRHŒA**

"MENOVO" is designed on sound physiological lines for the causal and symptomatic control of uterine spasms and to give almost instantaneous relief from the attendant discomfort of spastic dysmenorrhœa.

**POLYCREST ANTIPRURITIC CREAM**

"Polycrest" may be safely prescribed to adults of both sexes and children, for application in pruritic conditions of diverse origin, including pruritus ani, and hæmorrhoids.

*Sole Distributors in the U.K.:* **MAW OF BARNET**

**CLINICAL PRODUCTS LTD.**



**RICHMOND**

**SURREY**



A NAME HELD IN RESPECT AND TRUST  
BY PHARMACISTS THE WORLD OVER



AN ORGANISATION THAT OFFERS THE  
BENEFITS OF LONG EXPERIENCE AND  
SCIENTIFIC PRODUCTION FACILITIES

*Manufactures include:*

**PILLS and TABLETS**

PACKED OR IN BULK

COATED OR UNCOATED

STANDARD OR SPECIAL FORMULÆ

**SOLVELLÆ · PHARMACEUTICALS**  
**PACKED SPECIALITIES**

**ARTHUR H.**



**& CO. LTD.**

**BRIGHTON**

**ENGLAND**

**MANUFACTURING**

**CHEMISTS**

**SINCE 1839**

**PACK IN PAPER**

for  
**HYGIENE  
ECONOMY  
ATTRACTION  
MODERNITY**



**CYLINDRICAL OR TAPERED.  
SNAP OR SCREW CAPS.**

**MONO**

*means BUSINESS!*

**MONO CONTAINERS LTD., CUMBERLAND AVE., PARK ROYAL, LONDON, N.W.10. Phone: ELGAR 4044 (8 lines)**





# Eyebaths

*We make four excellent types of  
superlative quality and finish in White Flint, Actinic  
Green or deep blue glass.*

THE DEMAND IS IN EXCESS OF SUPPLY, BUT EVERY EFFORT IS BEING  
MADE TO PROVIDE ADDITIONAL CAPACITY FOR NEW BUSINESS

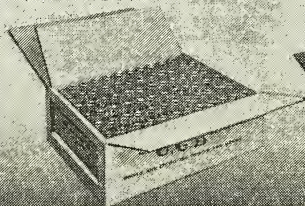
**WOOD BROS. GLASS CO. LTD.**  
**BARNLEY** ESTABLISHED 1828 **YORKS.**

*The  
Complete Service*

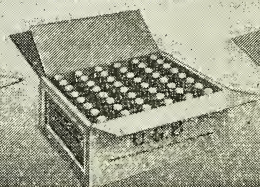
WASHED AND  
STERILIZED  
READY FOR USE



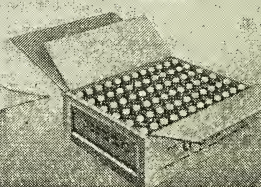
CORK MOUTH



FITTED KORKALITE  
MOULDED CAPS



FITTED ALUMINIUM  
CAPS



**UGB**

**UNITED GLASS BOTTLE  
MANUFACTURERS LTD.**

8 LEICESTER STREET, W.C.2

Tel.: GERRARD 8611 (15 Lines) (Grams & UNGLABOMAN, LESQUARE, LONDON)



# "7 o'clock and all's well"...

## 7 o'clock and all's well



### MORNING AND EVENING

Shaving starts the daily round —  
Choose a blade that's triple-ground,  
Sharp... then sharper... sharpest yet —  
7 O'CLOCK'S the one to get.

If you start the morning right  
Smooth of cheek you face the night.  
When the music weaves its spell —  
7 O'CLOCK and all's well.



## 7 o'clock BLADES

● one of a series of forceful  
7 o'clock blade advertisements  
appearing in the National Press.

## the 2d blades that sell — and sell!



RETAIL  
PRICE

**2<sup>d</sup>**

Including Purchase Tax

**7 O'CLOCK** blades are *sharper*, give  
smoother-all-round shaves.

**AND** satisfy your customers so  
that they return for more!

**ALL'S** well with 7 o'clock blades,  
for —

**WELL** —just see how they sell...  
and sell!

Trade enquiries to your wholesaler or to Gillette Industries Ltd., Gillette Corner, Great West Road,  
ISLEWORTH, Middlesex.

# NEW PLASTIC SURGICAL DRESSING

FOR years doctors and chemists have felt the need for such a dressing as Plastic Skin. Neat, easily applied, transparent (invisible under a silk stocking or a little powder) flexible and waterproof, it is sterile, powerfully germicidal and analgesic. Because of its high salol content, it *heals* as well as seals.

Originated for use as a dressing after blood transfusions, Plastic Skin is already widely used in hospitals, highly recommended by many surgeons and doctors, and officially "recognised" for panel prescriptions.

As a dressing for cuts and abrasions, small burns, chilblains, mosquito and other insect bites, cracked skin, etc., its many advantages are self-evident.

"Portex" Plastic Skin is now packed in handy tubes (Retail price 1/8 including tax) which give maximum ease of application and prevent any risk of deterioration in stock. Also in larger size bottles. Generous trade terms.

**FREE TESTING SAMPLE.** Test this interesting new product for yourself. Sample tube gladly sent on application to:  
**PORTLAND PLASTICS LTD.**  
6 Victoria Street, London, S.W.1



## SEALS and HEALS

**FORMULA:** Phenyl Salicylate gr. xii. Methyl Methacrylate gr. xvii. Resorcinol gr. ii. Eugenol m. i. Chloroform m. x. Volatile Solvents ad 3 ii.

*English Filter*

# POSTLIP

*Papers*

SQUARES  
CIRCLES  
FOLDED  
ROLLS

WHITE  
GREY  
PLAIN  
ANTIQUE  
EMBOSSED  
CRINKLED

SAMPLES  
FREE

*Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers.*

*Evans, Adlard & Co Ltd*

Postlip Mills, Winchcombe, Cheltenham

## What's in a name

Behind the name of BURGE WARREN & RIDGLEY lie years of experience of surgical goods and druggists'quisites. Our knowledge is at your service, and our reward is a good reputation. It is our proud boast that many of our clients have been associated with us since our business started.

We are always willing to help with any difficulties or problems concerning surgical and druggists' goods.

## BURGE WARREN & RIDGLEY LTD

45 CITY ROAD, LONDON, E.C.

'Phone: CLerkenwell 1710 & 5371  
'Grams: "Drugsund, Finsquare, London."

Druggists' Sundries - Toilet Requisites  
Packed Pharmaceuticals - Fancy Goods

F. P. ANSELL LTD., Sole Agents  
Lancashire, Cheshire, and North Wales



# POROSAN - an apology



Owing to the great demand for our popular Porosan Fruit Preserving Methods, it is highly probable that our distributors will have to ration supplies this year. Allocations are being fairly made by each representative, and we hope that in this way most retailers will get a small share.

*Distributors to the Trade:*

**S. MAW, SON & SONS LTD.**

**P.O. BOX 54, BARNET**

**ALDERSGATE HOUSE, BARNET, HERTS.**

Marketed by: **POROSAN LTD., 65-66 Chancery Lane, London, W.C.2**



Unless manufacturers have your returned containers, they can't give you the goods. So please don't give away containers, don't damage or destroy them—put them aside for the C.R.S. to take back. Vans collect during normal deliveries. C.R.S. vans also make regular additional collections. Cash paid on the spot!

*This is all you need to do :*

- 1 Open C.R.S. wood and fibreboard cases carefully to avoid damaging tops and sides.
- 2 Fold C.R.S. collapsible cartons FLAT—with flaps sticking OUT (otherwise flaps have to be untucked before re-use).
- 3 Store them out of harm's way until collection.

Help supplies on the move—co-operate with

**CONTAINER RECOVERY SERVICE**

**S.P.D. LIMITED**

**Unilever House,**

**Blackfriars, London, E.C.4**



If you have not received our Leaflet 51 showing some of the wide range of metal containers always available, we shall be happy to send one on application.

**YES!** They all come to Percenta because we specialise in packaging containers of every type for the chemical, pharmaceutical, cosmetic and domestic trades. We are in constant touch with well over 100 factories throughout the world and consequently know where to lay our hands on any particular line that you may require. This is why twice as many people as in 1945 came to us for containers in 1946 and more than ever are coming in 1947.

*Ampoules, bottles, cardboard boxes, jars, glass tubes, lever lid tins, lipstick holders, metal screw caps, plastic containers and caps, powder boxes, paint and polish tins, perfume bottles, soap boxes, tablet tins.*



(PERCENTA LTD.)

**PERCENTA HOUSE, 130/2 TOOLEY STREET, LONDON, S.E.1**

\*Phone: HOP 0516 (6 lines)

**Now in prompt Supply**



**The  
Quality Brand**

*of Surgical Rubber Goods  
Finest and most reliable!*

**SELKA LTD.**

23 DERING ST., BOND ST., LONDON, W.1  
Mayfair 2412

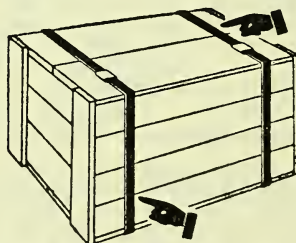
Factory: - TRADING ESTATE, SLOUGH, BUCKS

**USE:—**

*Wire Bands*

**BANDING SYSTEM**

**It's speedy! It's simple!!  
Above all—It's Secure!!!**



**THESE BANDS WILL ENSURE YOUR  
GOODS ARE DELIVERED INTACT**

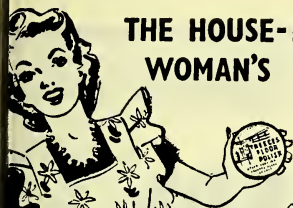
*Wire Bands*

**114, LANCEFIELD STREET, LONDON, W.10**

Ladbroke 0725



## THE HOUSE-PROUD WOMAN'S CHOICE



Once used it sells  
itself... 45 years  
reputation for  
high quality



*Leading Wholesalers Stock it*

**TREECE POLISH Co. Ltd., NOTTINGHAM**

# B. B.

### TESTED INSECTICIDES

*the makers of B. B. Insecticides  
offer 2 quick selling lines for 1947*

### 3 WAY ACTION D.D.T. INSECTICIDE POWDER

ATTRACTIVE PACK

APPROX. 4 OZ. SPRINKLER DRUM

SHOWS 40% PROFIT. Retailers . 1/3

### B. B. BRAND D.D.T. FLY PAPERS

THE SEASON'S BEST SELLER

Owing to improved methods of deep  
impregnation we are able to retail at

2d. each. Cost per gross . . 16/-

*Trade Discounts Unchanged. Size Maintained*

**ORDER For Immediate Delivery  
NOW (Samples on Request)**

HOME and EXPORT

enquiries to—J. GOODMAN (Chemicals Ltd.)  
Devonshire Mews, Chiswick, W. 4.  
direct to—B.B. Insecticides, 12a Osborne Mews,  
St. Leonards Road, Windsor, Berks.

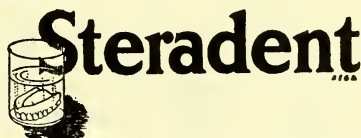
# STERADENT AND THE NEW PLASTIC DENTURES

Early this year Steradent launched an advertising campaign on a national basis which associated Steradent with the latest advances in the making of dentures.

Thus, a new market is being built up; and, coupled with the already great numbers of confirmed Steradent users, this market is something you should not neglect.

Steradent has always been satisfactory for vulcanite dentures. We now have the assurance of the I.C.I., makers of "Kallodent," that Steradent is equally satisfactory for this brand of Acrylic Resin Dentures when used as directed.

Production of Steradent is still difficult, but we are doing our best to meet the demand.



**CLEANS AND STERILISES  
EVERY TYPE OF DENTURE**

STERADENT LIMITED, HULL AND LONDON



## September

September is the month when schools reopen. Entering a new school, moving into a fresh form, embarking upon a different course of studies—these are important occasions in the lives of young people. To those who have them in their charge, provision for the future is an ever present obligation, and it is good sense to ensure that plans for the coming generation will be faithfully observed. In particular you must be able to rely on the availability of your trustees just at the moment when your children have need of them. The Manager of any branch of the Midland Bank will readily explain the services of the Bank's Executor and Trustee Company, where friendly personal assistance, based on wide experience, is always at your disposal in matters concerned with wills, trusts (educational or other) and settlements.

**MIDLAND BANK EXECUTOR AND  
TRUSTEE COMPANY LIMITED**

*The Keenest Blade*  
— is  
**CHADE**



WIDELY ADVERTISED IN  
PRESS • TUBES • BUSES  
★ THE QUALITY BLADE THAT  
BRINGS REPEAT SALES  
★ IMPORTANT  
*The NEW*  
**CHADE RAZOR**  
*Fit ALL Popular*  
*Double edge*  
*Safety Razors*

RETAIL PRICES	
SPECIAL	1½d
THIN	2d
DE LUXE	3d
STAINLESS	3½d

CHADE MANUFACTURING CO. LTD., DUNSTABLE.

## FLY PAPERS

First quality, impregnated with high percentage of D.D.T./Geigy. Retail 4½d. each and saleable by Pharmacists only. 30/7 Gross, cash with order.

MEDISERVICES LTD. STOCKPORT

## EXTEND YOUR TRADE

USE A TRADE MARK

## CONSULT

TRADE MARK PROTECTION SOCIETY  
12, CHURCH STREET LIVERPOOL

# NIPITS



THE  
MEDICATED  
PASTILLES

FOR VOICE,  
THROAT & CHEST

TEASDALE & CO. LTD., CARLISLE



# Tintex

THE WORLD'S  
LARGEST-SELLING  
HOME DYE

# STREPH

THE COMPLETE ANTISEPTIC  
Safe in use  
Sure in action

A  
JEYES  
PRODUCT



## The Royal Dental Hospital of London

SCHOOL OF DENTAL SURGERY  
(UNIVERSITY OF LONDON)  
Leicester Square, London, W.C.2

Men and Women Students are admitted for the  
Curriculum for the B.D.S. Degree and the  
D.S. Diploma in October, January and May.

**HOSPITAL PRACTICE.** The school is fur-  
nished with modern equipment, and the Clinic  
of the Hospital is unrivalled. Students may  
attend the operations and chair-side instruction  
is given by the Surgeon of the day. Special  
instruction is given in Advanced Operative  
Technique, Orthodontics, Radiology and  
Clinical Photography and Visual Education.

**DENTAL PROSTHETICS.** The Mechanical  
Laboratory is a spacious and fully equipped  
department, under the direction of the Lec-  
turer in Prosthetics.

**HOUSE APPOINTMENTS.** Six Senior  
House Surgeons and eighteen ordinary House  
Surgeons are appointed every year.

**SCHOLARSHIPS.** A number of Scholarships,  
Bursaries and Prizes are awarded annually, in-  
cluding an open Entrance Scholarship of £50.

Applications for further particulars and School  
Calendar are invited by the DEAN

### FOR MEDICAL & PERSONAL USE

STREPH IS APPROXIMATELY  
THREE TIMES THE STRENGTH OF  
LIQ. CHLOROXYLENOLIS OR  
LIQ. CRESOLIS SAPONATUS

4oz. Bottle, in attractive carton, 1/9 (inc. Tax)

Pharmacists' Discount 33 1/3%

National  
Advertising  
Compagnie



Advertised  
in Medical  
Press

Detailed literature on request

**JEYES' LABORATORIES LTD.**

LONDON, E.C.3

# THERAPEUTIC PRODUCTS

## Why Doctors Prescribe Alka-Zane

*Alka-Zane is composed of the four principal bases which constitute the alkali reserve: Sodium, potassium, calcium, magnesium—as citrates, carbonates and phosphates. Like all Warner preparations it is advertised to the medical and allied professions only. Alka-Zane provides a refreshing, palatable, effervescent medicament and is selected by physicians:*

1. for the treatment of all forms of acidosis as in "morning sickness" of pregnancy, fevers, the common cold, influenza and "summer lassitude,"
2. for counteracting nausea and toxic reactions during sulphonamide therapy,
3. for promoting diuresis in cardiac and nephritic conditions.

*Literature and samples supplied on request.*

AGAROL — ALKA-ZANE — ANUSOL — CAL-BIS-NATE — VEGANIN — VERACOLATE — VINCE

William R. **WARNER** and Co. Ltd.



POWER ROAD, LONDON, W. 4.

## SUNRAY (REGD.)

### MALT WINE PRODUCTS

A quick selling and profitable  
line for Wine Licence Holders.

	Fixed Max. Price
GINGER WINE . . .	12/6
ORANGE WINE . . .	12/6
SWEET & DRY WINE . . .	10/6
VELVET LADY COCKTAIL . . .	12/6
MORELLO COCKTAIL . . .	14/6
SWEET NELL COCKTAIL . . .	14/6

Trade enquiries to  
**RICHARD DAVIS LTD.**

49, Old Bond Street, London, W.1.  
Est. 1864

## BESORBON SELLS ON SIGHT!



Besorbon medicinal snuff is in demand all the year round as a preventive remedy for Hay Fever, Colds and Catarrh. Put this attractive display box on your counter and it will make its own sales. Supplied with all orders for dozen lots—from all registered wholesale chemists.

**KEMSALES LTD.**  
20 EASTCHEAP, LONDON EC.



*Little-known Limericks—No. 36*



**A chemist who'd given up smoking  
Found his customers extra provoking,  
But he always could grin  
When the Brand's man looked in.  
This is perfectly truthful—no joking !**

We fully sympathize with retailers in their difficulties today. We, too, have our own problems—chief of these, shortage of ingredients and containers for making and packing these popular products that are "made by the makers of Brand's Essence." By dealing with our customers strictly in rotation, and on an absolutely fair quota basis, we do our utmost to help you to keep up with the demands of your customers.

**Brand & Co. Ltd.**  
London

## Steady sales and good supplies

Extensive advertising of D.D.D. Balm — in the national provincial and periodical press and the women's journals — is a constant reminder to a receptive public — the mothers of babies and of young children. That is why the sales of D.D.D. Balm are so steady. Supplies are now equal to demand — your wholesaler can deliver from stock.

D.D.D. Balm is specially prepared for sensitive skins. It does not sting, does not burn. It is white, non-greasy and does not stain. D.D.D. Balm quickly clears napkin rash, teething rash, chapping and chafing. D.D.D. Balm is safe and speedy for babies skin troubles.



**TRADE TERMS:** 16/- per dozen. Purchase Tax 2/8d. per dozen. Inclusive retail price 2/- per jar.

# D.D.D. BALM

**D.D.D. COMPANY LTD.,**  
3 FLEET LANE, LONDON, E.C.4

**DISTRIBUTOR FOR NORTHERN IRELAND—MESSRS. J. & W. C. GAW, 30 BANKMORE ST, BELFAST**  
**DISTRIBUTOR FOR EIRE—MESSRS. HENRY FINN & CO., LTD., CENTRAL HOTEL STOCKROOMS**  
**EXCHEQUER STREET, DUBLIN**

**Now !  
you  
can  
order**

**A**T last we can give you prompt delivery of Juno-Junipah in reasonable quantities. Our increased production has finally caught up with the demand and your orders will have our immediate attention.

## **JUNO - JUNIPAH**

*The Woman's Own Health Salts*

**THOMAS MARNS LTD.**

2a, Caxton Street, London, S.W.1

Phone: WHitehall 6310



**They're heading YOUR way**

... these suntanned, Brontanned members of the fair sex. Back from holiday and in search of more of the delightful Brontan products. They'll be after the Ann Rose Twins—Vanishing Cream and Complexion Powder. The cream is beautifully soft... the perfect foundation for Ann Rose Powder. Both are delicately scented and there are four flattering shades. Are you well stocked and displaying the Twin packs?

Retail prices—cream 2/1d. incl. P.T. powder 2/9d. and 4/- incl. P.T.

**BRONTAN** (Regd.), Ltd.,

1 BROAD STREET BUILDINGS,  
LIVERPOOL STREET, LONDON, E.C.2

Phone : BISHopsgate 6383



## **SECOND TO NONE** **Malt Extract Tablets**

Sustaining sweet that dissolves in the mouth. Supplied in counter display boxes of 2 doz.

RETAIL (INC. TAX) **7 1/2** D. PER TIN

**ANDERSON RICHARDS & CO. LTD**  
37 Eastcheap, London, E.C.3.





# A GRAND DISPLAY AND A GRAND SELLER! *Have you seen it?*

The new 'ASPRO' display is a credit to any window. It is attractive—and effective. It makes the passer-by stop, and look—and it turns passers-by into customers at a record rate. Window space devoted to 'ASPRO' is space that REALLY pays because national advertising and proved service have made 'ASPRO' a product which MOST PEOPLE WANT. Nine times out of ten, people already have it in their minds when they buy 'ASPRO', and a display turns the thought into a purchase—in your shop. Your customers multiply—sales in your other lines increase. You are, in fact, tapping a great reservoir of public demand, for

**PUT THE  
DISPLAY  
IN YOUR WINDOW  
AS SOON AS  
YOU GET IT**

**ASPRO<sup>®</sup> HAS THE LARGEST SALE  
OF ANY MEDICINE OF ITS KIND  
IN THE WORLD**

**PATA**

The above display is now available. If you have not already received one, cut out and send us this coupon—the display will be posted back by return.

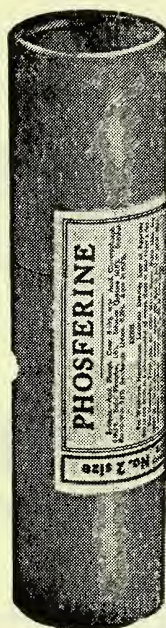
Please send me the new 'ASPRO' display

Name .....

Address .....

**ASPRO**  
REG. TRADE MARK

Made in England by  
ASPRO LTD., TRADING ESTATE,  
Slough, Bucks



# PHOSFERINE

## TABLETS and LIQUID

● PHOSFERINE is a popular Tonic Medicine which has won world-wide reputation—its popularity being largely due to personal recommendation by those who have benefited by its use.

Phosferine Advertising which makes no extravagant claims consistently keeps our product before the notice of the Public.

**Make sure your stocks are equal to the demand**

**PHOSFERINE (Liquid and Tablets)**  
available in 2 sizes

No. 1 retails at 1/4 including Purchase Tax  
No. 2 3/3

PHOSFERINE (Ashton & Parsons) Ltd., St. Helens, Lancs.



*Making it easy*

All 1" Prestoband is now packed in this attractive outer. Display it, and sell more Prestoband! Each outer contains a supply of demonstration sample strips.

Prestoband is backed by extensive National Advertising, and offers you generous trade terms. We are helping you

*to sell*

**PRESTOBAND**

THE ANTISEPTIC SELF-ADHESIVE BANDAGE

Sole Distributors for Gt. Britain & N. Ireland:  
Fassett & Johnson Ltd., 86 Clerkenwell Rd., E.C.1

## PATTINSON'S MAGNESIA

GUARANTEED B.P. QUALITY

Mag. Carb. Levis. Mag. Carb. Pond.  
Mag. Oxide Levis. Mag. Oxide Pond.  
Mag. Trisilicate.  
Mag. Hydrate. Mist. Mag. Hydrox.

Supplied through all wholesalers  
by the sole manufacturers:

**The WASHINGTON CHEMICAL  
CO. LTD.**

TURNER & NEWALL Ltd.  
**WASHINGTON  
CO. DURHAM**

London Office:  
Everite House, 59½, Southwark St., S.E.1  
Manchester Office:  
15, Pollard St. East, Manchester, 10



P.A.T.A

# Phillips'

DENTAL MAGNESIA<sup>Regd.</sup>

# Toothpaste

1/3 AND 2/2

The attention of the Trade is drawn to the maximum permitted retail prices of Phillips' Dental Magnesia, namely 1/3d. and 2/2. The charging of any higher price is a direct infringement of the Prices of Goods Act, and accordingly can involve very serious consequences.

#### TRADE TERMS

To the generous standard margin of profit, it is possible to add, by the booking of quantity orders, the following additional discounts, in consideration of 14 days window or counter display:

£3 assorted order*	-	-	-	-	5%
(obtainable through your wholesaler only)					
£6 assorted order*	-	-	-	-	12½%

★ 'Milk of Magnesia' Tablets are now in unrestricted supply and may be included in your order to qualify for these discounts.

THE CHAS. H. PHILLIPS CHEMICAL CO., LTD., 179 ACTON VALE, LONDON, W.3.



**C. & F. Fulford**  
LTD

CARLTON HILL, LEEDS. ENGLAND

Manufacturers and Distributors of the following  
World-Famed Medicinal Products

*Write for Profit-  
able Quantity  
& Display Terms.*

*Show Material  
also available on  
Request.*

**BILE BEANS**

**PEPS TABLETS**

**KUTNOW'S** Effervescent  
Saline

**ZAM-BUK OINTMENT**

**ZAM-BUK SUPPOSITORIES**

**ASPAREL TABLETS**

**VEN-YUSA FACE CREAM**

**GUY'S TONIC, TONIC PASTILLES & FRUIT PILLS**

## Better Check Now:

with cold weather approaching, calls for  
ANTIPHLOGISTINE will increase.

When the soothing, pleasant relief of a  
"Moist Heat" poultice is needed in the  
treatment of respiratory conditions: chest  
colds, sore throat—ANTIPHLOGISTINE,  
the ready-to-use medicated poultice will  
be called for. So you had better check your  
stocks now and be ready for these  
increased calls for ANTIPHLOGISTINE.



**P.A.T.A.**

*Antiphlogistine*  
TRADE MARK

**THE DENVER CHEMICAL  
MANUFACTURING CO.  
LONDON, N.W.9**

*North-East  
Pharmacists*  
send  
*Your Enquiries to*  
**MIDDLETON**  
& Co. Ltd. Boundary Rd.,  
**MIDDLESBROUGH**  
TELEPHONE 3207

**SPEEDY  
DELIVERY  
IN OUR  
OWN VANS  
WHEREVER  
POSSIBLE**

*Wholesale only*

**DRUGS,  
GALENICALS,  
PILLS and TABLETS,  
ANALYTICAL  
CHEMICALS and  
REAGENTS**



# Special Bonus Offer

## Closing October 15<sup>TH</sup> 13 to the dozen

Make a big EXTRA PROFIT out of your ARGOTONE sales by taking full advantage of this offer. Your wholesaler will send you 13 bottles for every dozen you order up to October 15th. And on every dozen you order you will make an EXTRA 3/5d. which, in effect, increases your profit by one-third.

Our extensive National advertising campaign means that your stock will move quickly. Conveniently small Show cards and Trapinex transparent window stickers, obtainable from Rona Laboratories, but

All orders to your usual Wholesaler, please

# ARGOTONE

RONA LABORATORIES LTD.  
159, FINCHLEY ROAD, LONDON, N.W.3.

## NASAL DROPS.

# TO MEET THE COMING WINTER

*. . . your co-operation please*

Serocalcin is now well known, both for the prevention and treatment of colds. From its past success there is every indication that the demand to meet the coming winter will be very great.

We are anxious to give you the best delivery service possible under existing conditions, so please look ahead, place your orders early, and maintain your stocks at a reasonable level throughout the season.

**FOR THE PREVENTION AND TREATMENT OF COLDS**

# SEROCALCIN

Pharmacists are reminded that orders and enquiries for Serocalcin should now be addressed to J. C. Eno Limited, Watford, Herts. Telephone Watford 7761.



HARWOODS LABORATORIES LTD . WATFORD . HERTS





# The CHEMIST AND DRUGGIST

## SUPPLEMENT

is Supplement is In-  
ted in every copy of  
e Chemist & Druggist

SEPTEMBER 13  
1947

28 ESSEX STREET, LONDON, W.C. 2

availing restrictions and heavy demand on space necessitate the holding over of a number of  
vertisements week by week. As normal press days are in abeyance advertisers are advised to send  
tructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

### SITUATIONS OPEN

or 36 words or less, 3d. for every additional word

#### RETAIL (HOME)

**TIROPODIST**, lady, to take charge of small  
practice; willing to assist in pharmacy an-  
tage. Congenial good-class business with pros-  
R. W. Oldland, 131 The Broadway, Thorpe  
Essex.

**LOYDON**, Assistant for dispensary and counter,  
either sex, qualification unnecessary, perma-  
ny. Accustomed to good-class work, energetic,  
business builder. State age, salary required,  
rience, and photo if possible. Dawson, 309  
don Road, Croydon.

**EXPERIENCED** man, preferably qualified, re-  
quired for high-class West London pharmacy.  
ellent prospects and salary. Apply with full  
iculars to 1/578, C. & D. Office.

**ENLEY-ON-THAMES**. Dispenser wanted for  
winter months. Good wages. Fairbairn, Read-  
Road, Henley-on-Thames.

**LEDS** Industrial Co-operative Society, Ltd.,  
invites applications from keen, energetic phar-  
mists for permanent, superannuated positions as  
ch managers. Salaries commensurate with  
ity and experience will be paid to candidates  
ted. Apply stating age and fullest particulars  
Superintendent Pharmacist, Leeds Industrial  
operative Society, Ltd., 6 Albion Street,  
ls.

**AYFAIR**. Saturday half-day. Unqualified  
female assistant required experienced displays  
t and general shop duties. Would suit junior  
ous of learning same. Salary required and full  
ils to 1/784, C. & D. Office.

**AYFAIR**. Saturday half-day. Smart unqualified  
male assistant required. Experienced dispenser  
generally competent in duties of shop. Salary  
quired and full details to 1/783, C. & D. Office.

**AYFAIR**. Saturday half-day. Qualified mana-  
ger required. Preferably with West End experi-  
e. Salary £500 plus commission and, if satis-  
ory, partnership or financial interest offered in  
iness. Full details in first instance to 1/782,  
C. & D. Office.

**AGNTON**, South Devon. Young pharmacist  
(lady or gentleman) required to assist in good  
s dispensing business. Apply stating age, expe-  
rience and salary to J. R. Sarson, 5 Palace Avenue,  
nton.

**PERMANENT** qualified dispenser required imme-  
diately, either sex, busy N.H.I. Single bed-  
m and use of sitting-room if required. State  
y, when free, and salary required. Apply Ryder,  
Markhouse Road, Walthamstow.

**HARMACY**. Young qualified first assistant re-  
quired. Good salary (44-hour week). per-  
nent position, congenial conditions, tuition and  
erience in optics offered. Apply Peterborough  
operative Chemists Limited.

**PHARMACIST** required for West End business.  
Elderly not objected to provided he is active,  
easy hours; or young pharmacist requiring West  
End experience would suit. Apply: The Superin-  
tendent Chemist, Heppells (1932), Ltd., 70 Vaux-  
hall Bridge Road, London, S.W.1. 'Phone Victoria  
2204.

**PHARMACY** branch manager required at once.  
Permanency. Reasonable hours and good con-  
ditions. Apply by letter giving full particulars to  
Secretary, Dewsbury Pioneers' Ind. Soc., Ltd., 43  
Northgate, Dewsbury, Yorks.

**QUALIFIED** assistant, S.E. coast town. Perma-  
nent preferred. Locum considered. Living  
accommodation near sea front. Good salary and  
prospects. Full particulars in first letter please.  
Apply 1/792, C. & D. Office.

**SOUTHPORT**. Qualified assistant (lady or  
gentleman) required for dispensing department  
of busy up-to-date pharmacy. Excellent opportunity  
for keen young pharmacist. Permanency. Please  
apply giving full details in first letter to J. R. Cave  
(1922), Ltd., 52 Nevill Street, Southport.

**SUCCESSOR** (single) required to elderly assistant  
(unqualified) wishing to retire October/Novem-  
ber. Might suit newly qualified seeking experience.  
Photographic, optics. Three other staff. No extra  
duties. Wood, Ashford, Middlesex.

**TIMOTHY WHITES & TAYLORS**, Ltd., have a  
vacancy for an experienced unqualified assistant  
for dispensing and counter duties at their branch at  
Cliftonville. Good salary paid to first-class man.  
Convenient interviews arranged. Apply with full  
particulars to Retail Staff Dept., Timothy Whites &  
Taylors, Ltd., 70 Vauxhall Bridge Road, London,  
S.W.1.

**UNQUALIFIED** assistant with good West End  
experience required. Mainly counter work and  
window dressing. Please apply: The Superinten-  
dent Chemist, Heppells (1932), Ltd., 70 Vauxhall  
Bridge Road, London, S.W.1. 'Phone Victoria 2204.

**UNQUALIFIED** dispenser and salesman, male or  
female, middle aged. Apply in writing. James  
Dawe & Co., Ltd., 106 King's Cross Road, W.C.

**WANTED**. Two qualified chemists (male) for  
old-established firm in West End of Edinburgh.  
Apply Duncan, Flockhart & Co., 139 Princes Street,  
Edinburgh, 2.

### WHOLESALE

**ASSISTANT** wanted for toilet requisites and  
and chemists sundries department in wholesale  
warehouse. Must know trade thoroughly, manufac-  
turers and markets to undertake buying. Good pros-  
pects and salary. Permanent situation for right man.  
Apply Managing Director, Angel Warehouse Co.,  
Ltd., 74 Upper Street, Islington, N.1.

**CHEMIST** required with experience in manufac-  
ture of extracts from crude drugs. Apply giving  
full particulars in confidence. 1/786, C. & D. Office.

**CHEMIST** not exceeding 30 years, unmarried, required for Burma, experienced in organising sales and distribution of proprietary medical lines and miscellaneous sundries. Apply stating experience and qualifications. 1/801, C. & D. Office.

**DRUGS** counter hand (male) wanted for wet counter. Union rate of pay. Five-day week. Southall Bros. & Barclay, Chardorf Chemical Works, Alum Rock, Birmingham.

**DUNCAN, FLOCKHART & CO.**, Edinburgh, have a vacancy in their sterilising department for a pharmacist (female) to supervise process work and packing. Knowledge of bacteriology and staff control essential. Salary according to qualifications and experience.

**EVANS** Medical Supplies, Ltd., require an assistant analyst of Ph.C. or A.R.I.C. standard. Salary according to qualifications and experience. Apply to The Manager, Evans Medical Supplies, Ltd., 29 Fleet Street, Liverpool, 1.

**EXCEPTIONAL** opportunity offered to experienced representatives possessing genuine sales ability and initiative. Established connection with stores, co-ops, retail and wholesale chemists, fancy goods and hardware dealers essential. Own car an advantage. Large number existing accounts will be transferred. Repeat business assured. Only representatives possessing the above qualifications need apply in strictest confidence, stating full details of experience, etc., and territory covered to 1/755, C. & D. Office.

**EXPERIENCED** representative required calling on chemists in the Lancashire area. Extremely remunerative position vacant due to death. Send full particulars of age, experience, etc., to Messrs. Jeffreys, Miller & Co., Ltd., Leyland Mills, Wigan.

**FIRM** of repute in Barnet area require applications for post of home trade ledger and invoice office manager. Applicant must reside in north London area. Age 30/40. Retail and wholesale credit collection experience essential, with ability to get best out of staff. Good prospects and good salary and bonus for the right man. 1/781, C. & D. Office.

**JOHNSON AGENCIES** (Proprietaries), Ltd., require full-time representatives in the following areas: (1) Kent, Surrey, Sussex, Isle of Wight, Hants. (2) Lancashire, Westmorland, Cumberland, Isle of Man. (3) Derby, Nottingham, Leicester, Warwickshire. (4) Yorkshire. (5) Stafford, Shropshire, Cheshire, North Wales. Only gentlemen with good connections and ability need apply. Salary, commission and expenses will be paid to the right men. Good prospects. Write Managing Director, Clarendon Works, 32/40 North Street, Horsham, Sussex.

**MANUFACTURING** chemists, N. London district, engaged on processing and packing pharmaceuticals and toilets, require experienced chemist to manage small factory. 5-day week. Write full particulars to 1/626, C. & D. Office.

**PHARMACIST**, age 30-40 years, wanted to take charge of small galenical and wholesale dispensing laboratory. Good prospects for experienced man. Apply with full details and salary required to Bradley & Bliss, Ltd., London Street, Reading.

**PROCESS** worker required, used to tinctures and galenicals in general. Five-day week. Union rate of pay. Southall Bros. & Barclay, Chardorf Chemical Works, Alum Rock, Birmingham.

**QUALIFIED** manager of wholesale department requires unqualified assistant, male or female, for general duties. Sound knowledge of pharmacy necessary, especially the wholesale side. Young, active, single man or woman preferred on account of housing shortage. Apply with copies of references and stating salary required to Fairbank Kirby, Ltd., Ropery Street, Grimsby. Tel. 3855.

**QUALIFIED** pharmacist required for amp and hypodermic tablet department of London manufacturing chemists. Pension scheme and hour 5-day week in operation. Apply with full particulars of age, experience, etc., to 1/704, C. & D. Office.

**REPRESENTATIVE**. A good opening occurs for a full-time representative to call upon retail and wholesale chemists. Permanent position good prospects with a well-known London firm manufacturing chemists. Remuneration by salary and commission plus expenses. Applicants should have first-class connections and reside on the following territory: Midlands and South West. Car owner preferred. Full details stating experience, etc., to 1/729, C. & D. Office.

**SURGICAL** instruments. An opportunity occurs for a young man with knowledge of instrument to take control of packing department and supervise export sales. Write in first instance detail experience to 1/726, C. & D. Office.

**WRITER** required by leading pharmaceutical company (N.W. London) for Press contributions and Press liaison. Journalistic experience, first-class writing ability most important. Interest in scientific subjects desirable, but not essential. Qualifying experience. Apply, with details of education, career, salary required and samples of work, to 1/682, C. & D. Office.

## CLERICAL

**EXPERIENCED** shorthand-typist required for publishing department of the Chemist and Druggist. Will also be required to assist in general office work. Hours 9.30 a.m. to 5 p.m. 5-day week. Apply The Staff Director, Morgan Bros. (Publishers), Ltd., 28 Essex Street, Strand, London W.C.2.

## WHOLESALE (OVERSEAS)

**BRITISH** pharmaceutical marketing company operating in the Middle East requires the services of a pharmacist as assistant to manager administrative duties. Single man, age 25 or over preferred. Applications stating age, details of career, qualifications, references and salary required to be sent to 1/778, C. & D. Office.

## SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word.

### RETAIL (HOME)

**EDUCATED** man, 48, wide experience of pharmacy from every angle, including advertising, desires change. Efficient and completely trustworthy. 1/779, C. & D. Office.

### WHOLESALE

**A HUNGARIAN** pharmacist (Vienna and Szeged Universities) experienced in manufacturing general production, and research, desires position with British house of repute. Knowledge of original developments and processes would be made available under satisfactory arrangements. Fluent English, French and German. Communications: Pharmaceutical Chemists, McKenna & Company, 12 Whitehall, S.W.1.

**ARE** you eager to employ a real live traveller? I have the largest connection with chemists Ground covered Somerset, Wilts, Devon, Dorset & Cornwall. Salary, commission and expenses. Or manufacturers of repute please reply. Wholesale do not waste my time. 1/757, C. & D. Office.



NTINENTAL representative. Advertiser, British, has several years foreign retail and sensitive experience; fluent French, Spanish Italian; wishes to contact British firm seeking increase export trade. Box 1/691, C. & D.

SMETIC chemist, experienced manufacturing first-class preparations to own modern up-to-formulas, also introducing new non-quota lines, a situation. 1/773, C. & D. Office.

SMETIC chemist with long manufacturing experience in this trade here and abroad desires connect with established firm. 1/785, C. & D.

PRESENTATIVE desires post with firm of repute. First-class connection with chemists, Nottinghamshire, Derbyshire, Cheshire, Northumberland, Durham, Yorkshire, Shropshire, Lancashire. State terms. 1/788, C. & D. Office. PRESENTATIVE (M.P.S.), sound connection chemists, wholesalers and stores, S.E. England, represents reputable house—commission only salary, comm. and expenses. Would consider sole agt. Full details 1/772, C. & D. Office.

PRESENTATIVE, 32, having 15 years' experience of pharmaceutical trade in Yorkshire a sound connection chemists, co-ops, etc., changes change. Present turnover £30,000 (approx.). Position as representative or first-class agent desired for Yorkshire. Newlands, 101 Gledhow Rd., Leeds 8.

LES manager, sound sales record, administrative experience, and sales promotion methods, changes change. Offers to 1/733, C. & D. Office. AVELLER, working N. and E. Yorks, Durham, Northumberland and Lincs. Established connection chemists, Co-ops., etc., wishes to rephouse with well-known lines, including toiletries, commission and expense basis. Full details 1/563, C. & D. Office.

## APPOINTMENTS

### COUNTY BOROUGH OF WEST HAM.

LOCUM ASSISTANT PHARMACIST (MALE).

Applications are invited for the above post at Central Home, Union Road, Leytonstone, 11, and Forest Gate Hospital, Forest Lane, Forest Gate, E.7 (Joint appointment).

Salary £8 8s. per week.

The duration of employment will be from September 15, 1947, for an indefinite period. The post is governed by the Council's service regulations.

Applications stating age, qualifications and experience, to be sent to Medical Officer of Health, 225 Romford Road, West Ham, London, E.7.

E. E. KING,  
Town Clerk.

West Ham Town Hall,  
Stratford, London, E.15.

### ST. MARY'S HOSPITAL FOR WOMEN AND CHILDREN, PLAISTOW, E.13.

CHIEF PHARMACIST. Applications are invited from registered pharmacists with not less than three years' hospital experience after qualifying as a pharmacist. Salary in accordance with J.N.C. Scale (£485 to £585). Applications giving full particulars of age, qualifications and experience, and copies of recent testimonials, to be sent to the Secretary.

## QUEEN MARY'S HOSPITAL FOR THE EAST END.

STRATFORD, LONDON, E.15.

SECOND ASSISTANT PHARMACIST.

Applications are invited from registered pharmacists for this appointment. Salary scale, £370 per annum with annual increases of £15 up to £450 per annum. Commencing salary within scale according to qualifications and experience. Applications giving full particulars of age, qualifications and experience and copies of recent testimonials should be sent to the House Governor and Secretary as soon as possible.

M. J. HUNTLEY,  
House Governor and Secretary.

## SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at EPSOM COUNTY HOSPITAL, Dorking Road, Epsom. Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive. Applications in writing stating age, qualifications and experience with copies of not more than three recent testimonials should be sent to the Medical Superintendent of the Hospital.

## AGENCIES

17/6 for 36 words or less, 4d. for every additional word

ESTABLISHED wholesalers having good warehouse space, supplying chemists, beauty parlours, etc., South-West areas, desire appointment as sole stockists and distributors of nationally advertised cosmetic preparations. CML, Tavistock, Devon. 1/657, C. & D. Office.

MANUFACTURERS are invited to contact wholesale distributing firm requiring further good quality lines, toilet preparations and fancy goods. Stationery and surgical dressings accepted. Details to 1/641, C. & D. Office.

MANUFACTURERS of range of established branded toilet preparations seek agents, calling on chemists, hairdressers and stores, interested in carrying additional lines on liberal commission basis. Territories reserved. 1/721, C. & D. Office.

SOUTH AFRICAN advertiser requires agencies from British manufacturers of medicinal, pharmaceutical and cosmetic preparations, drugs, galenicals, etc. 1/732, C. & D. Office.

TABLET manufacturers require agents, buying or commission, to offer branded lines to wholesalers, Co-ops., multiples, etc., all districts except London. Full details of territory covered to Mr. W. Pearce, Three Crowns Tablet Coy., 21/25 Derringham Street, Hull.

TWO qualified chemists seek agencies in Eire for company newly formed. Must be high class agencies, none others considered. 1/774, C. & D. Office.

WELL-KNOWN and established firm of distributors and agents have vacancy for one or two more sound selling lines. Excellent connections with both retail and wholesale trades. Full details, prices and terms to 1/775, C. & D. Office.

## AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional word

GENTLEMAN with sound connection among wholesale and better class chemists throughout Scotland, also painters' merchants and large stores, desires additional agency. Only first class firms considered. Apply 1/780, C. & D. Office.

MANUFACTURER'S representative with sound connection wholesale chemists, surgical suppliers and hairdressers' sundriesmen is open to consider additional reputable lines on commission basis only. All replies in strictest confidence. 1/787, C. & D. Office.

**BUSINESS OPPORTUNITIES****17/6 for 36 words or less, 4d. for every additional word**

**A** FIRM with new product of unusual possibilities and interest, with guaranteed demand and sales, requires financial backing for full exploitation. 1/794, C. & D. Office.

**H**AVE you got a sound and original idea for consistently increasing your number of permanent customers? If not, let me help you. I can send you a detailed, sales-productive innovation which will rapidly increase the turnover and individuality of your pharmacy. Details forwarded on request. 1/575, C. & D. Office.

**BUSINESSES FOR DISPOSAL****8/6 for 36 words or less, 3d. for every additional word**

**D**RUG store on main road in good district of S.W. London with comfortable living accommodation above is for immediate disposal due to retirement of proprietor. Now running under management with a turnover of £3,700 p.a. (audited figures). Double-fronted shop with excellent fixtures and fittings. Office, large store and space for dispensary if required by qualified man. Stock at valuation. Lease 19 years at low rental. Price £3,000. Write 1/790, C. & D. Office.

**D**RUG store with guest house and hairdressing salon. Net profit last year £728. 9 bedrooms, 2 bathrooms, etc., etc. Heavily laden fruit trees. Heavy stock. Total purchase price, to include freehold, £7,500. Apply Orridge & Co., 184 Strand, W.C.2.

**L**ONDON. Substantial old established group of eight retail businesses for sale. All run under management. Total purchase price to include freehold properties £42,500, which represents under £15,000 in respect of the goodwill. The turnover averages about £800 a week. Apply with banker's reference to 1/776, C. & D. Office.

**S**URREY. Near London. High class pharmacy in popular Thames-side town. Lock-up shop. Comfortable furnished flat available if required. Long lease. Rent £250, inclusive of rates. Turnover £8000-£9000. Good net profit. Total purchase price £6,500 plus stock at valuation. Reason for selling, proprietor going abroad. 1/802, C. & D. Office.

**S**URREY, 15 miles London, modern well-fitted pharmacy. S.C. flat. Turnover £4,000 approx. Stock, goodwill and fittings, £3,500. No offers. 1/789, C. & D. Office.

**S**TOKES-ON-TRENT (Hanley). Chemist's business for sale. Well established. Main road. No opposition. Double-fronted shop with good stock, splendid cash sales, and insurance dispensing. Offers over £4,500. Including property, with living accommodation with three bedrooms. Owner retiring. 1/506, C. & D. Office.

**PREMISES TO LET****8/6 for 36 words or less, 3d. for every additional word**

**D**EPOT midway between London, Bristol, Birmingham, Southampton. Accommodation suitable for depot consisting of large enclosed yard and buildings, close railway station and main road. Situated in centre of Southern England. Firm engaged in the wholesale chemists' trade could have the part-time services of small office staff combined with qualified supervision of goods. Handling and forwarding of goods could be undertaken by existing staff. Reasonable terms to suitable firms giving a general outline of their requirements to 1/791, C. & D. Office.

**MISCELLANEOUS SALES****17/6 for 36 words or less, 4d. for every additional word**

**A**RTICLES for sale. One No. 3 Junior Mira Mill complete with screens, cyclone collector and tripod. Excellent condition (new 1943). £1 or nearest offer. Apply 1/777, C. & D. Office.

**B**ORNYL-Acetate — Surplus to requirement. Offers invited for 1 cwt. 1/793, C. & D. Office.

**C**OMplete interior chemist shop comprising mahogany and glass show cases, cabinets, counters and shelves, small cash register, scales, roller top desk and a few sundry items. View appointment. Phone BR1xton 6251.

**T**RIPLE roll mill by Beyer Freres, Paris. Grind rolls 16 in. x 7 in. Fast and loose pulleys 3 x 17 in. £65. Gordon-Moore & Co., Portland House 31 Sinclair Road, London, W.14. Shepherds Bush 1131-1132.

**WANTED****8/6 for 36 words or less, 3d. for every additional word**

**G**LYCERINE — industrial pale straw or B.P. urgently required. State price and quantity (lowest minimum). George Rice, Ltd., Hudson-E Works, Warton Road, Stratford, E.15. Telephone Maryland 1222.

**G**LYCERINE required. Manufacturing chemist wish to purchase glycerine, pharmaceutical quality, up to one ton. Offer to 1/577, C. & D. Office.

**L**IQUORICE and menthol pellets required in bulk. 1/640, C. & D. Office.

**S**ACCHARIN tablets. Standard strength, 2 g. 550 required by private pharmacist. Regular weekly supplies if possible. Cash on delivery against pro-forma invoice if references supplied. Write in strict confidence to 1/754, C. & D. Office.

**U**RGENTLY required, any quantity of pure aneurin hydrochloride (vitamin B1). A regular supply desired for product of own manufacture. Willing to offer surplus stock of pure ascorbic acid (vitamin C) in exchange for aneurin. State quantity available and price to Box 1/695, C. & D. Office.

**W**ANTED. Machine for sifting and blending dry powders; Gardner's make preferred; for particulars to 1/747, C. & D. Office.

**W**ANTED urgently: 10 gross each stoppered amber C.M. 20 oz. bottles. Must be amber, with shape. Good price paid. Reply 1/435, C. & D. Office.

**W**ANTED. Carboys, 10 gallons, spot cash collected ourselves. Phone Walsall 6316. Write Messrs. Wimpole Laboratories, Ltd., 12 Fre Street, Walsall.

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